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PESTICIDES DOCUMENTATION BULLETIN

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30 Livestock Protection
40 Commodity Protection
50 Environmental Contamination
55 Residues
60 Toxicology
65 Plant Physiology & Biochemistry
70 Chemistry
80 Engineering
90 Industry

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Periplaneta americana, Sex attractants.

2233-67
FUNCTION OF THE PERITROPHIC MEMBRANE IN MUSCA DOMESTICA L. AND CALLIPHORA ERYTHROCEPHALA MEIG.
D P Zhuzhikov
J Insect Physi 10(2):273-278, TA8S.
Apr 1964 421 J82S
Peritrophic membrane.

Genetics

2234-67
A RECESSIVE FACTOR FOR ORGANOPHOSPHATE-RESISTANCE IN POPULATIONS OF THE TWO-SPOTTED SPIDER MITE, TETRANYCHUS TELARIUS.
V Dittrich
J Econ Entom 56(2):182-184
Apr 1963 421 J822
Insect genetics, Insecticide resistant insects, Tetranychus urticae.

2235-67
EFFECTS OF DIETARY GLUCOSE ON HAEMOLYMPH CARBOHYDRATES OF AGRIA AFFINIS (FALL).
J S Barton H L House
J Insect Physi 5(3):181-189
Dec 1960 421 JB2S
Glucose, Haemolymph carbohydrates, Insect nutrition.

2236-67
ADAPTATION OF TOBACCO HORNWORMS TO THE INGESTION OF NICOTINE.
L S Self F E Guthrie E Hodgson
J Insect Physi 10(6):907-914, BIBL. 914, TA8S.
Dec 1964 421 J82S
Insect adaptation, Nicotine.

20 CROP PROTECTION

2237-67
NEMATODES ASSOCIATED WITH CITRUS TREES INFECTED BY FOUR VIRUSES AND COMMENTS ABOUT NEMATODE DISTRIBUTION IN FLORIDA CITRUS GROVES.
M W Brezeski
Plant Dis R 49(6):610-614, BIBL. 614
Jul 1965 1.9 P69P
Citrus, Florida, Nematodes, Plant nematodes, Virus diseases (plants).

2238-67
EVALUATION OF TREATMENTS FOR THE CONTROL OF SOIL-BORNE PESTS OF TOMATO.
J F Darby
Plant Dis R 45(1):58-61
15 Jan 1961 1.9 P69P
Pesticides, Soil-borne pests, Tomatoes.

2239-67
SEROLOGICAL COMPARISON OF CRONARTIUM FUSIFORME, C. CEREBRUM, AND C. RIBICOLA.
G V Gloding Jr H R Powers Jr
Phytopathoio 54(6):622-623
Jun 1964 464.8 PS6
Cronartium cerebrum, Cronartium fusiforme, Cronartium ribicola, Serologicai tests.

2240-67
CONTROL OF DISEASES AND INSECT PESTS OF CROP PLANTS IN THE SOVIET UNION.
R R Herr
Plant Dis R 45(6):399-410, BIBL. 410
15 Jun 1961 1.9 P69P
Insect control, Plant disease controi, Soviet union.

2241-67
THE COEFFICIENT OF EXPANSION OF WOOD IN RELATION TO FROST CRACKS.
L Herrington J Parker E B Cowling
Phytopatholo 54(2):128
Feb 1964 464.8 P56
Expanslon coefficient, Frost, Plant injuries.

2242-67
SUN SCALD OF CORN IN WISCONSIN IN 1961.
P E Hoppe
Plant Dis R 45(10):787
15 Oct 1961 1.9 P69P
Corn, Plant injuries, Sun scaid (corn), Wisconsin.

2243-67
IMPROVING GROWTH OF FRUIT TREES BY TREATMENT WITH NEMATOCIDES AND FUNGICIDES AT TIME OF PLANTING.
P M Milier
Plant Dis R 45(1):42-44
15 Jan 1961 1.9 P69P
Fruit, Fungicides, Nematocides, Plant physiology.

2244-67
EAR REMOVAL AND CELL DEATH RATE IN CORN STALK TISSUE.
A J Pappelis Katsanos R A
Phytopathoio 54(6):626
Jun 1964 464.8 PS6
Corn, Corn ear, Corn staik, Piant cytology.

2245-67
NEMATODES ASSOCIATED WITH MELTING-OUT OF TURFGRASS.
E H Pepper
Plant Dis R 49(6):519-521
15 Jun 1965 1.9 P69P
Helminthosporum vagans, Melting out (poa), Nematodes, Panagrolaimus, Turf.

2246-67
VINAS DISEASE OF COFFEE (COFFEA ARABICA) IN GUATEMALA.
E Schleber G A Zentmyer
Phytopathoio 54(5):500
May 1964 464.8 P56
Coffea arabica, Guatemala, Vinas disease (coffee).

2247-67
EFFECT OF ORGANIC AMENDMENTS AND PCNB UPON INOCULUM POTENTIAL OF RHIZOCTONIA SOLANI IN FIELD SOIL.
L R Smith L J Ashworth Jr
Phytopatholo S4(6):626
Jun 1964 464.8 PS6
Organic amendments, Pentachloronitrobenzene, Rhizoctonia solani.

2248-67
CERCOSPORA LEAFSPOT OF CLERODENDRON.
Ek Sobers A P Martinez
Phytopatholo S4(S):500-S01
May 1964 464.8 PS6
Cercospora, Clerodendron, Leafspot.

2249-67
LIGHT AND LIGHT QUALITY AS FACTORS IN THE GROWTH AND DEVELOPMENT OF TWO SPECIES OF LEPTOSPHAERULINA PATHOGENIC ON WHITE CLOVER.
C E Thomas J E Halpin
Phytopatholo S4(6):627
Jun 1964 464.8 PS6
Leptosphaerulina, Light, White clover.

Diseases

2250-67
SYMPOSIUM ON CANKERS OF FOREST TREES: INVITATIONAL PAPERS PRESENTED AUGUST 28, 1963, AT THE FIFTY-FIFTH ANNUAL MEETING OF THE AMERICAN PHYTOPATHOLOGICAL SOCIETY AT AMHERST, MASSACHUSETTS.
Phytopatholo S4(3):2S0-278
Mar 1964 464.8 PS6
Canker (trees), Conferences, Forests, Phytopathology.

22S1-67
PROCEEDINGS OF THE THIRD CONFERENCE OF THE INTERNATIONAL ORGANIZATION OF CITRUS VIROLOGISTS.
Int Organ Citrus Virol Pr 3RD:1-319
1963 464.06 IN82
Citrus, Conferences, Virologists.
67 papers, with preface by W. C. Price

22S2-67
REPORT AND ABSTRACTS OF THE 1963 ANNUAL MEETING OF THE SOUTHERN DIVISION OF THE AMERICAN PHYTOPATHOLOGICAL SOCIETY.
Phytopatholo S4(6):621-627
Jun 1964 464.8 PS6
Abstracts, Phytopathology.

22S3-67
ABSTRACTS OF PAPERS ACCEPTED FOR PRESENTATION AT THE FIFTY-THIRD ANNUAL MEETING OF THE AMERICAN PHYTOPATHOLOGICAL SOCIETY, BILOXI, MISS., DECEMBER 10, 11, 12, 13, 1961.
Phytopatholo S2(1):1-34
Jan 1962 464.8 PS6
Abstracts, Phytopathology.

22S4-67
VIRUS DISEASES OF CITRUS IN THE PHILIPPINES.
M S del Rosario C Alaban
Int Organ Citrus Virol Pr 3RD:223-224
1963 464.06 IN82
Citrus, Philippines, Virus diseases (plants).

22S5-67
IN VITRO REACTION OF TOBACCO RINGSPOT VIRUS ON BLACK COWPEA LEAVES.
D J deZeeuw
Phytopatholo 52(1):7
Jan 1962 464.8 PS6
Cowpeas, Immunization, Ring spot (tobacco).

22S6-67
EFFECT OF ORCHARD SANITATION ON DEVELOPMENT OF ANGULAR LEAF SPOT OF TUNG.
T van der Zwet W W Kilby W A Lewis
Phytopatholo S4(6):627
Jun 1964 464.8 PS6
Angular leafspot (tung tree), Orchard sanitation, Tung oil tree.

22S7-67
SEPARATION OF AN ANTIGENIC PLANT PROTEIN FROM PREPARATIONS OF PLANT VIRUSES.
M H V van Regenmortel
Phytopatholo 54(3):282-289, BIBL. 288-289, TABS.
Mar 1964 464.8 P56
Antigens, Plants, Proteins, Viruses.

2258-67
A PRACTICAL METHOD FOR EVALUATING LOW VOLUME SPRAY OIL DEPOSITS IN THE CONTROL OF SIGATOKA DISEASE OF BANANAS.
A V Adam
Phytopatholo S4(S):498
May 1964 464.8 PS6
Drying oils, Sigatoka (bananas), Spraying.

2259-67
MICROORGANISMS IN SOIL FROM FOMES ANNOSUS INFECTED PINE STANDS.
J T Adams Jr W Witcher C L Lane
Plant Dis R 48(2):II4-II8
1S Feb 1964 1.9 P69P
Fomes annosus, Pinus, Soil microorganisms.

2260-67
SHORT STEM VIROSIS OF SWEET CHERRIES.
M M Afanasiev R I Hamilton
Plant Dis R 49(3):2S3-25S
1S Mar 196S 1.9 P69P
Mazzard cherries, Short stem (mazzard cherries), Virus diseases (plants).

2261-67
OCCURRENCE OF LATE BLIGHT DISEASE OF POTATOES IN MONTANA.
M M Afanasiev
Plant Dis R 45(4):314
IS Apr 1961 1.9 P69P
Late blight (potatoes), Montana, Phytophthora infestans, Potatoes.

2262-67
APPLE SCAB .EFFECT OF ONE APPLICATION OF FUNGICIDES ON LEAF LESIONS ON PREVIOUSLY UNSPRAYED TREES.
J J Albert J W Heuberger
Plant Dis R 4S(10):7S9-763, TA8S.
1S Oct 1961 1.9 P69P
Apples, Dodine, Fungicides, Scab (apples), Spraying.

2263-67
A STUDY OF SQUASH MOSAIC VIRUS DISEASE.
E K Allam
Plant Dis R 49(3):2I8-221, TA8S.
15 Mar 196S 1.9 P69P
Mosaic (squash).

2264-67
STRIPE RUST RESISTANCE OF SUWON 92 AND ITS RELATIONSHIP TO SEVERAL MORPHOLOGICAL CHARACTERISTICS IN WHEAT.
R E Allan O A Vogel
Plant Dis R 4S(I0):778-779
1S Oct 1961 1.9 P69P
Plant genetics, Plant morphology, Puccinia striiformis, Stripe rust (wheat), Suwon 92, Wheat.

2265-67
RICE BLAST IN EL SALVADOR.
O Ancalmo A A Lopez
Plant Dis R 4S(7):576
IS Jul 196I 1.9 P69P
Blast (rice), El Salvador, Epiphytotic, Piricularia oryzae Cav..

2266-67
OCCURRENCE OF CERCOSPORA BOUGAINVILLEAE IN EL SALVADOR.
O Ancalmo
Plant Dis R 45(8):666
15 Aug 1961 1.9 P69P
Bougainvillea glabra Choisy, Cercospora bougainvilleae, El Salvador.

2267-67
HOJA BLANCA IN EL SALVADOR.
O Ancalmo G R Sliiezar
Plant Dis R 4S(11):900
IS Nov 196I 1.9 P69P
El Salvador, Hoja blanca (rice), Rice.

20 226B-67

2268-67
THE DISTRIBUTION OF EASTERN AND WESTERN GALL RUSTS IN THE LAKE STATES.
G W Anderson
Plant Dis R 49(6):527-528
15 Jun 1965 1.9 P69P
Eastern gall rust (pinus), Lake States, Western gall rust (pinus).

2269-67
HYPOXYLON CANKER ON EUROPEAN ASPEN.
R L Anderson P N Joranson D W Einspahr
Plant Dis R 44(2):132
15 Feb 1960 1.9 P69P
Canker (aspen), European aspen, Hypoxylon canker.

2270-67
HYPOXYLON CANKER IMPACT ON ASPEN.
R L Anderson
Phytopatholo 54(3):253-257
Mar 1964 464.8 P56
Canker (populus), Hypoxylon, Populus, Populus.

2271-67
INFLUENCE OF RESISTANT VARIETIES ON VIRULENCE LEVEL WITHIN NATURAL POPULATIONS OF PHYTOPHTHORA PARASITICA VAR. NICOTIANAE.
J L Apple
Plant Dis R 45(12):968-971, TABS.
15 Dec 1961 1.9 P69P
Phytophthora parasitica var. nicotianae, Virulence.

2272-67
FUNGICIDAL CONTROL OF MANGO ANTHRACNOSE.
M Aragaki M Ishi
Plant Dis R 44(5):318-323
15 May 1960 1.9 P69P
Anthracnose (mangoes), Fungicides, Mangoes, Plant disease control.

2273-67
RELATION OF RADIATION AND TEMPERATURE TO THE SPORULATION OF ALTERNARIA TOMATO AND OTHER FUNGI.
M Aragaki
Phytopatholo 54(5):562-569
May 1964 464.8 P56
Alternaria tomato, Fungi, Radiation, Sporulation, Temperature.

2274-67
SOME CHEMICAL REQUIREMENTS FOR THE GROWTH AND SPORULATION OF ALTERNARIA TOMATO.
M Aragaki
Phytopatholo 54(5):562-564
May 1964 464.8 P56
Alternaria tomato, Chemical nutrients, Plant physiology.

2275-67
ADDITIONAL HOSTS FOR TOMATO CANKER ORGANISM, CORYNEBACTERIUM MICHIGANESE.
P A Ark J P Thompson
Plant Dis R 44(2):98-99
15 Feb 1960 1.9 P69P
Canker (tomatoes), Tomatoes, Weeds.

2276-67
EXPERIMENTAL GREENHOUSE CONTROL OF CROWN GALL AND OLIVE KNOT WITH ANTIBIOTIC DRENCHES.
P A Ark J P Thompson
Plant Dis R 44(3):197
15 Mar 1960 1.9 P69P
Antibiotics, Crown galls (fruits), Drenches, Greenhouses, Olive knots.

2277-67
SUSCEPTIBILITY OF ARTEMISIA VULGARIS AND HELIANTHUS TUBEROSUS TO CROWN GALL, AGROBACTERIUM TUMEFACIENS.
P A Ark J P Thompson
Plant Dis R 44(2):102-103
15 Feb 1960 1.9 P69P
Agrobacterium tumefaciens, Artemisia vulgaris, Crown galls, Jerusalem artichokes.

227B-67
WILT OF CHRYSANTHEMUM CAUSED BY RACE 1 OF THE COWPEA FUSARIUM.
G M Armstrong J K Armstrong
Plant Dis R 49(8):673-676
Aug 1965 1.9 P69P
Cowpeas, Fusarium oxysporum f. tracheaphilum, Wilt (chrysanthemum), Wilt (cowpeas).

2279-67
FURTHER STUDIES ON THE PATHOGENICITY OF THREE FORMS OF FUSARIUM OXYSPORUM CAUSING WILT OF ALFALFA.
G M Armstrong J K Armstrong
Plant Dis R 49(5):412-416, BIBL. 416, TABS.
15 May 1965 1.9 P69P
Alfalfa, Fusarium oxysporum, Pathogenicity, Wilt (alfalfa).

2280-67
INTRA- AND INTER-REGIONAL MOVEMENT OF UREDOSPORES OF BLACK STEM RUST IN THE UPPER MISSISSIPPI VALLEY.
G N Asai
Phytopatholo 50(7):535-541, TABS.
Jul 1960 464.8 P56
Black stem (wheat), Mississipi valley, Uredospores, Wheat.

22B1-67
SEED-BORNE CERCOSPORA ON SAFFLOWER.
A Ashri
Plant Dis R 45(2):153
15 Feb 1961 1.9 P69P
Cercospora carthami, Safflower, Seed-borne plant diseases, Thiram.

22B2-67
THE SUSCEPTIBILITY OF SAFFLOWER VARIETIES AND SPECIES TO SEVERAL FOLIAGE DISEASES IN ISRAEL.
A Ashri
Plant Dis R 45(2):146-150
15 Feb 1966 1.9 P69P
Carthamus, Israel, Powdery mildew (safflower), Safflower, White spots.

2283-67
SOURCES, TRANSMISSION, SYMPTOMATOLOGY, AND DISTRIBUTION OF WHEAT STREAK MOSAIC VIRUS IN TEXAS.
L Ashworth Jr M C Futrell
Plant Dis R 45(3):220-224
15 Mar 1961 1.9 P69P
Plant disease transmission, Streak mosaic (wheat), Texas.

2284-67
SOURCES OF INOCULUM FOR ASPERGILLUS NIGER DISEASE OF SPANISH PEANUTS.
L J Ashworth Jr B C Langley
Phytopatholo 54(6):621
Jun 1964 464.8 P56
Aspergillus niger, Inoculum, Spanish peanuts.

22B5-67
OCCURENCE OF HOJA BLANCA AND ITS INSECT VECTOR, SOGATA ORIZICOLA MUIR, ON RICE IN LOUISIANA.
J G Atkins L D Newsom W T Spink G D Lindberg R N Dopson T D Persons C H Lauffer R C Carlton
Plant Dis R 44(6):390
15 Jun 1960 1.9 P69P
Hoja blanca (rice), Insect vectors, Rice, Sogata orizicola Muir.

2286-67
HEAT CURING TREATMENTS OF GLADIOLUS CORMS COMPARED WITH FUNGICIDAL DIPS IN CONTROLLING FUSARIUM DISEASE.
R Aycock R D Milholland
Plant Dis R 49(5):435-438
15 May 1965 1.9 P69P
Dipping, Fungicides, Fusarium oxysporum, Gladiolus corms, Heat treatment, Storage diseases.

22B7-67
TESTS OF PHASEOLUS SPECIES FOR RESISTANCE TO FUSARIUM ROOT ROT.
J R Baggett W A Frazier E K Vaughan
Plant Dis R 49(7):630-633, BIBL. 633
Jul 1965 1.9 P69P
Beans, Fusarium solani f. phaseoli, Plant disease resistance, Root rot (Phaseolus).

22B8-67
CERCOSPORA LEAF SPOT OF TUNG IN MISSISSIPPI.
D C Bain
Plant Dis R 44(3):190-191
15 Mar 1960 1.9 P69P
Cercospora, Leaf spot (tung), Tung oil tree.

2289-67
CONTROL OF FUSARIUM YELLOWS OF CELERY BY MEANS OF SOIL FUMIGATION.
R Baker D J Phillips C Martinson

Plant Dis R 45(1):76-77
15 Jan 1961 1.9 P69P
Chloropicrin, Fusarium oxysporum f. apii, Nemex, Soil fumigation, Yellows (celery).

2290-67
TOBACCO MOSAIC VIRUS IN NICOTIANA GLAUCA.
J G Bald D J Goodchild
Phytopatholo 50(7):497-499
Jul 1960 464.8 P56
Mosaic (tobacco), Nicotiana glauca, Plant hosts, Tobacco.

2291-67
TRANSMISSION OF THE ASTER YELLOWS VIRUS TO BARLEY.
E E Banttari M B Moore
Plant Dis R 44(3):IS4
15 Mar 1960 1.9 P69P
Aster yellows (barley), Barley, Plant disease transmission.

2292-67
EFFECTIVENESS OF CERTAIN PROTECTANT FUNGICIDES FOR CONTROLLING PECAN SCAB IN OKLAHOMA DURING 19S9.
G L Barnes
Plant Dis R 45(2):142-144
1S Feb 1961 1.9 P69P
Fungicides, Oklahoma, Scab (pecans), 2ineb.

2293-67
AN INDUCED MECHANISM OF TISSUE RESISTANCE TO POLYGALACTURONASE IN RHI2OCTONIA-INFECTED HYPOCOTYLS OF BEAN.
D F Bateman
Phytopatholo 54(4):43B-445, BIBL. 445, PL.
Apr 1964 464.8 PS6
Beans, Hypocotyls (beans), Pectinase, Pectinase, Rhizoctonia, Tissues.

2294-67
PEAR DECLINE TRENDS IN WASHINGTON ORCHARDS.
L P Batjer E S Degman N R Benson
Plant Dis R 45(4):25S-2S7
I5 Apr 1961 1.9 P69P
Decline (pears), Pears, Washington.

2295-67
NEW TYPE OF SYMPTOMS ON VERTICILLIUM WILT OF COTTON.
C Bazan de Segura
Plant Dis R 44(4):2S6
15 Apr 1960 1.9 P69P
Cotton, Verticillium, Wilt (cotton).

2296-67
A SEVERE EPIDEMIC OF HELMINTHOSPORIUM BROWN SPOT DISEASE ON CULTIVATED WILD RICE IN NORTHERN MINNESOTA.
G A Bean R Schwartz
Plant Dis R 4S(11):901
15 Nov 1961 1.9 P69P
Brown spot (rice), Helminthosporium oryzae, Minnesota, Wildrice.

2297-67
THE USE OF DIMETHYL SULFOXIDE (DMSO) WITH CERTAIN FUNGICIDES FOR CONTROLLING HELMINTHOSPORIUM DISEASES OF KENTUCKY BLUEGRASS.
G A Bean
Plant Dis R 49(10):810-811
Oct I96S 1.9 P69P
Dimethyl sulfoxide, Fungicides, Helminthosporium, Poa pratensis.

229B-67
FUNGICIDAL CONTROL OF SCLEROTINIA WILT IN GREEN BEANS.
K M Beckman J E Parsons
Plant Dis R 49(4):357-358
15 Apr 196S 1.9 P69P
Fungicides, Sclerotinia sclerotiorum, Wilt (green beans).

2299-67
THE CITRUS BUDWOOD PROGRAM IN CONCORDIA, ARGENTINA.
H N Benatena A R Pujol
Int Organ Citrus Virol Pr 3RD:241-243
1963 464.06 INB2
Argentina, Budwood, Citrus.

2300-67
PARTIAL OR COMPLETE RESTRICTION OF TWO MOSAIC VIRUSES TO PARENCHYMA TISSUE.
C W Bennett
Plant Dis R 49(5):375-377
15 May 1965 1.9 P69P
Mosaic (beets), Mosaic (cucumbers), Parenchyma tissue.

2301-67
LIFE CYCLE AND HOST RANGE OF HYPOXYLON PRUINATUM AND ITS PATHOGENESIS ON POPLARS.
J G Berbee J D Rogers
Phytopatholo 54(3):257-26I, BIBL. 261
Mar I964 464.8 P56
Canker (populus), Host range, Hypoxylon pruinatum, Populus, Populus.

2302-67
TRANSMISSION, MOVEMENT, AND VECTOR RELATIONSHIPS OF TOBACCO RINGSPOT VIRUS IN SOYBEAN.
G B Bergeson K L Athow F A Laviolette S M Thomasine
Phytopatholo 54(6):723-728, TABS.
Jun 1964 464.8 PS6
Plant disease transmission, Ring spot (tobacco), Soybeans.

2303-67
EXTENSION OF RANGE AND A NEW HOST FOR CRISTULARIELLA PYRAMIDALIS.
C R Berry G E Thompson
Plant Dis R 45(2):152
15 Feb 1961 1.9 P69P
Acer, Cristulariella pyramidalis, Tree diseases.

2304-67
THE RELATIONSHIP OF SOME BARK FACTORS TO CANKER SUSCEPTIBILITY.
J E Bier
Phytopatholo 54(3):250-2S3, BIBL. 2S3
Mar 1964 464.8 P56
Bark, Canker (trees), Forests, Trees.

230S-67
FACTORS AFFECTING CONTROL OF ONION BLOAT BY FUMIGANTS CONTAINING 1,3-DICHLOROPROPENE IN ORGANIC SOILS IN SOUTHERN NEW YORK.
G W Bird H A Smith
Plant Dis R 49(1):33
15 Jan 196S 1.9 P69P
Bloat, Fumigants, New York, Onion bloat, Organic soils, 1,3-dichloropropene.

2306-67
THE INFLUENCE OF IN-COVERING SOIL FUNGICIDES ON THE COVERING SOIL MICROFLORA IN RELATION TO COTTON SEEDLING DISEASE OCCURRENCE.
L S Bird
Phytopatholo 54(6):621
Jun 1964 464.8 P56
Cotton, Fungicides, Soils.

2307-67
FUSARIUM WILT OF COTTON IN ARI2ONA.
L M Blank
Plant Dis R 49(2):179
1S Feb 1965 1.9 P69P
Arizona, Cotton, Fusarium oxysporum, Wilt (cotton).

2308-67
PRELIMINARY STUDIES ON CONTROL OF SOUTHWESTERN COTTON RUST.
L M Blank
Plant Dis R 45(4):241-243
15 Apr 1961 1.9 P69P
Puccinia stakmanii, Rust (cotton), 2ineb.

2309-67
A SPUR TYPE GROWTH OF BING CHERRY CAUSED BY VIRUS.
E C Blodgett P Jenkins M D Aichele
Plant Dis R 49(I1):910
Nov 196S 1.9 P69P
Mazzard cherries, Virus diseases (plants).

2310-67
STEM CAVITY RUSSET OF APPLES.
E C Blodgett
Plant Dis R 49(3):225-227
15 Mar 1965 1.9 P69P
Apples, Stem cavity russet (apples).

2311-67
GREENHOUSE TESTS ON FIRE BLIGHT SUSCEPTIBILITY OF STEWART BARTLETT COMPARED WITH THREE OTHER BARLETT PEAR CLONES.
E C Blodgett M D Aichele E L Murray
Plant Dis R 49(9):769-770
Sep 196S 1.9 P69P
Erwinia amylovora, Fire blight (pears), Pears, Plant disease resistance.

20 2312-67

2312-67
SYMPTOMS AND TRANSMISSION OF A STAR CRACKING TYPE DISEASE OF APPLE IN WASHINGTON.
E C Blodgett M D Aichele
Plant Dis R 45(1):45
15 Jan 1961 1.9 P69P
Apples, Dwarf fruit, Star cracking (apples), Washington.

2313-67
THE BLISTER BARK DISEASE OF RED DELICIOUS APPLE TREES.
E C Blodgett M D Aichele
Plant Dis R 49(9):765-768
Sep 1965 1.9 P69P
Apples, Blister bark (apples).

2314-67
INFLUENCE OF ENVIRONMENT ON DISEASE OF TURFGRASSES. I. EFFECT OF NUTRITION, PH, AND SOIL MOISTURE ON RHIZOCTONIA BROWN PATCH.
J R Bloom H B Couch
Phytopatholo 50(7):532-535
Jul 1960 464.B PS6
Agrostis palustris, Agrostis palustris, Grasses, Rhizoctania solani, Turf.

2315-67
STEWART S DISEASE: EXPECTED DEVELOPMENT ON CORN IN ILLINOIS IN 1961.
G H Boewe
Plant Dis R 45(5):393
15 May 1961 1.9 P69P
Corn, Illinois, Plant temperature, Stewart s disease, Wilt (corn).

2316-67
GENETICS OF RESISTANCE TO POWDERY MILDEW RACE 2 IN MUSKMELON.
G W Bohn T W Whitaker
Phytopatholo 54(5):587-591, BIBL. 590-591
May 1964 464.B PS6
Genetics, Muskmelons, Plant disease resistance, Powdery mildew (muskmelons).

2317-67
A NEW HOST FOR THE CUCURBIT POWDERY MILDEW FUNGUS.
G W Bohn T W Whitaker
Plant Dis R 45(3)232-234, BIBL. 234
15 Mar 1961 1.9 P69P
Cucumis melo, Eremocarpus setigerus, Powdery mildew (cantaloupes), Turkey mullein.

2318-67
EFFECT OF ELEVATION, RAINFALL AND TEMPERATURE UPON THE INCIDENCE OF CORN DISEASES IN COSTA RICA.
C W Boothroyd
Phytopatholo 54(2):127
Feb 1964 464.B PS6
Climate, Corn, Costa rica, Environment, Plant diseases, Rainfall.

2319-67
SYMPTOMS IN RELATION TO INFECTION PATTERN IN WHITE OAK.
J S Boyce Jr
Plant Dis R 45(5):386-387
15 May 1961 1.9 P69P
Ceratocystis fagacearum, Dieback (oak), Quercus alba, Wilt (white oak).

2320-67
VARIETAL DIFFERENCES IN PEPPER TO VIRUS INDUCED BREAKDOWN OF FRUIT.
J S Boyle
Phytopatholo 54(2):127
Feb 1964 464.B PS6
Piper nigrum, Virus diseases (plants).

2321-67
CONTROL OF LEAF MOLD IN A HEAVILY INFECTED TOMATO CROP WITH A POLYBUTENE EMULSION.
J F Bradbury R W Fisher
Plant Dis R 48(2):104-105
15 Feb 1964 1.9 P69P
Leaf mold disease (tomatoes), Maneb, Plant disease control, Polybutene, Tomatoes.

2322-67
RETENTION OF PATHOGENICITY OF THE OAK WILT FUNGUS IN CULTURE.
T W Bretz F H Berry
Phytopatholo 54(6):742
Jun 1964 464.B PS6
Culture, Fungi, Plant diseases, Quercus, Wilt (quercus).

2323-67
EFFECTS OF FOUR VIRUSES ON YIELD AND QUALITY OF KING CARDINAL CARNATIONS.
P Brierley
Plant Dis R 48(1):5-7
15 Jan 1964 1.9 P69P
Crop yields, Diathus caryophyllus; King Cardinal carnations, Viruses.

2324-67
RESISTANCE IN TRITICUM VULGARE TO INFECTION BY ERYSIPHE GRAMINIS F. SP. TRITICI AS INFLUENCED BY THE STAGE OF DEVELOPMENT OF THE HOST PLANT.
L W Briggle A L Scharen
Plant Dis R 45(11):846-850, TABS.
15 Nov 1961 1.9 P69P
Erysiphe graminis, Plant disease resistance, Plant hosts, Powdery mildew (wheat), Triticum vulgare.

2325-67
FREQUENCY OF COTTON PLANTS RESISTANT TO FUSARIUM WILT IN SOME LINES OF COTTON RESISTANT OR SUSCEPTIBLE TO BACTERIAL BLIGHT.
L A Brinkerhoff R E Hunter
Plant Dis R 45(2):126-127
15 Feb 1961 1.9 P69P
Angular leafspot (cotton), Cotton, Fusarium oxysporum f. vasinfectum, Plant disease resistance, Wilt (cotton).

2326-67
CEREAL RUST EPIDEMIOLOGY IN KANSAS IN 1959.
L E Browder C O Johnston S M Pady
Plant Dis R 45(11):894-898
15 Nov 1961 1.9 P69P
Epidemiology, Kansas, Leaf rust (wheat).

2327-67
PYTHIUM PRE-EMERGENCE DAMPING-OFF OF SOYBEAN IN MINNESOTA.
G E Brown B W Kennedy
Plant Dis R 49(8):646-647
Aug 1965 1.9 P69P
Damping-off (soybeans), Minnesota, Plant decay, Pythium aphanidermatum, Pythium debaryanum, Pythium ultimum, Soybeans.

2328-67
PHYTOPHTHORA ROOT ROT OF SOYBEAN IN MINNESOTA.
G E Brown B W Kennedy
Plant Dis R 49(6):490-491
15 Jun 1965 1.9 P69P
Minnesota, Phytophthora, Root rot (soybeans), Soybeans.

2329-67
SYSTEMIC SPREAD OF TRISTEZA IN ONE VALENCIA ORANGE TREE.
H C Burnett
Plant Dis R 45(9):697
15 Sep 1961 1.9 P69P
Insect vectors, Oranges, Tristeza (citrus).

2330-67
RESULTS OF PRELIMINARY TESTS WITH PHENACRIDANE CHLORIDE FOR THE CONTROL OF FIREBLIGHT OF APPLE AND BACTERIAL SPOT OF PEACH.
J W Bushong D Powell
Plant Dis R 45(2):100-101
15 Feb 1961 1.9 P69P
Acrizane chloride, Apples, Bacterial spot (peaches), Fire blight (apples), Peaches.

2331-67
TAXONOMY AND PHYSIOLOGICAL PROPERTIES OF FUNGUS CAUSING SOUR ROT OF CITRUS FRUIT.
E E Butler J W Eckert
Phytopatholo 52(1):5
Jan 1962 464.B P56
Citrus, Fungi, Fungus physiology, Fungus taxonomy, Geotrichum candidum, Sour rot (citrus).

2332-67
FILAMENTOUS VIRUSES INFECTING FRUIT TREES AND RASPBERRY AND THEIR POSSIBLE MODE OF SPREAD.
C H Cadman
Plant Dis R 49(3):230-232
15 Mar 1965 1.9 P69P
Fruit, Malus spp., Raspberries, Virus diseases (plants).

2333-67
SCREENING OF POTATO FUNGICIDES IN 19S9.
L C Callbeck
Plant Dis R 44(1):6B
1S Jan 1960 1.9 P69P
Fungicides, Late blight (potatoes), Potatoes, Statistics.

2334-67
IMPORTANCE OF SOURCE OF SPRAY OILS FOR SIGATOKA DISEASE CONTROL AND PHYTOTOXICITY TO BANANA LEAVES.
L Calpouzos C Colberg
Phytopatholo S4(2):23S-236
Feb 1964 464.8 PS6
Oils, Phytotoxicity, Sigatoka (bananas), Sigatoka (bananas), Spraying.

233S-67
SYMPTOMS AND DISTRIBUTION OF CORN STUNT DISEASE IN MISSOURI IN 1964.
O H Calvert M L Fairchild A J Keaster
Plant Dis R 49(3):213-214
1S Mar 196S 1.9 P69P
Corn, Missouri, Stunt (corn).

2336-67
DEATH OF DORMANT BUDS IN SWEET CHERRY.
H R Cameron
Plant Dis R 44(2):139-143
1S Feb 1960 1.9 P69P
Cherries, Plant budding, Plant dormancy.

2337-67
DEFINITIVE PATTERNS OF WHITE PINE NEEDLE BLIGHT.
R J Campana
Phytopatholo S2(1):S
Jan 1962 464.8 PS6
Blight (pinus), Names of white pines.

2338-67
STUDIES ON THE TRANSMISSION OF THE VIRUS CAUSING BIG VEIN OF LETTUCE.
R N Campbell R G Grogan D E Purcifull
Phytopatholo S2(1):S
Jan 1962 464.B PS6
Big vein (lettuce), Lettuce, Plant disease transmission, Viruses.

2339-67
PHYTOPHTHORA HEVEAE FROM EASTERN TENNESSEE AND WESTERN NORTH CAROLINA.
W A Campbell M E Gallegly
Plant Dis R 49(3):233-234
1S Mar 196S 1.9 P69P
Fungi, North Carolina, Phytophthora heveae, Tennessee.

2340-67
VERTICILLIUM WILT OF SMOKE BUSH.
N E Caroselli
Plant Dis R 4S(1):24-2S
1S Jan 1961 1.9 P69P
Fungus diseases (plants), Verticillium albo-atrum, Wilt (smoke bush).

2341-67
OCCURRENCE OF EXCESSIVE SEED ABORTION IN CITRUS FRUITS AFFECTED WITH STUBBORN DISEASE.
J B Carpenter E C Calavan D W Christiansen
Plant Dis R 49(8):66B-672
Aug 196S 1.9 P69P
Citrus, Seed abortion, Stubborn disease (citrus).

2342-67
MACROSIPHUM ROSAE, ACYRTHOSIPHON POROSUM, AND APHIS GOSSYPII AS VECTORS OF STRAWBERRY VIRUSES IN LOUISIANA.
R G Carver N L Horn H B Boudreaux
Plant Dis R 49(6):49S-499, TABS.
1S Jun 1965 1.9 P69P
Insect vectors, Louisiana, Strawberries, Virus diseases (plants).

2343-67
EFFECT OF MOTTLE VIRUS ON THE RUNNER PRODUCTION AND FRUIT YIELD OF TWO LOUISIANA STRAWBERRY SEEDLINGS.
R G Carver N L Horn
Phytopatholo S2(1):S-6
Jan 1962 464.B PS6
Agricultural productivity, Louisiana, Mottle (strawberry), Strawberries.

2344-67
RESEARCH ON STUBBORN DISEASE IN MOROCCO.
J Cassin
Int Organ Citrus Virol Pr 3RD:204-206
1963 464.06 INB2
Morocco, Stubborn disease (citrus).

2345-67
GUMMOSIS OF IMPERIAL GRASS.
J J Castano H D Thurston
Phytopatholo S4(S):498
May 1964 464.B P56
Gummosis (imperial grass), Imperial grass.

2346-67
TESTING CRUCIFERS FOR RESISTANCE TO CLUBROOT IN NEW HAMPSHIRE.
S Catovic-Catani A E Rich
Plant Dis R 48(1):47-S0
1S Jan 1964 1.9 P69P
Clubroot (cruciferae), Cruciferae, New hampshire, Plasmodiophora brassicae Wor..

2347-67
THE TOLUCA VALLEY, AN OUTSTANDING AREA FOR TESTING FUNGICIDES ON POTATOES UNDER NATURAL CONDITIONS AGAINST LATE BLIGHT (PHYTOPHTHORA INFESTANS).
J Cervantes R Rubio C Ortuno
Phytopatholo S4(S):498
May 1964 464.B PS6
Fungicides, Late blight (potatoes), Mexico, Phytophthora infestans, Toluca valley.

2348-67
FUNGICIDAL CONTROL OF ANTHRACNOSE AND WHITE SPOT OF TURNIP GREENS.
W A Chandler
Plant Dis R 49(S):419-422, TA8S.
1S May 196S 1.9 P69P
Anthracnose (turnips), Fungicides, Turnips, White spot (turnips).

2349-67
SPORULATION BY CERCOSPORELLA HERPOTRICHOIDES ON ARTIFICIAL MEDIA.
E P Chang L J Tyler
Phytopatholo S4(6):729-73S
Jun 1964 464.8 PS6
Cerocosporella herpotrichoides, Culture media, Sporulation.

23S0-67
RELATION OF NITROGEN TO DISEASE DEVELOPMENT IN RICE SEEDLINGS INFECTED WITH HELMINTHOSPORIUM ORYZAE.
S B Chattopadhyay J G Dickson
Phytopatholo S0(6):434-438, PL.
Jun 1960 464.8 PS6
Helminthosporium oryzae, Nitrogen, Rice, Seedlings.

23S1-67
A TECHNIQUE FOR THE SELECTION AND DISINFESTATION OF INDIVIDUAL NEMATODES.
T Chen
Phytopatholo S4(2):127
Feb 1964 464.8 PS6
Chemical control (nematodes).

23S2-67
PENETRATION AND SUBSEQUENT DEVELOPMENT OF THREE FUSARIUM SPECIES IN ALFALFA AND RED CLOVER.
C C Chi W R Childers E W Hanson
Phytopatholo S4(4):434-437, PL.
Apr 1964 464.B PS6
Alfalfa, Fusarium, Red clover.

23S3-67
VIRULENCE OF RHIZOCTONIA SOLANI ON ALFALFA AND RED CLOVER.
C C Chi W R Childers
Plant Dis R 49(6):S12-S1S
1S Jun 196S 1.9 P69P
Alfalfa, Epidemiology, Red clover, Rhizoctonia solani.

23S4-67
MECHANISM OF WILTING INCITED BY FUSARIUM IN RED CLOVER.
C C Chi E W Hason
Phytopatholo S4(6):646-6S3, BIBL. 6S2-6S3
Jun 1964 464.8 PS6
Fusarium, Red clover, Wilting.

20 2355-67

2355-67
INHERENT GERMINABILITY AND SURVIVAL OF SPORES OF COCHLIOBOLUS SATIVUS.
S H F Chinn R D Tinline
Phytopetholo 54(3):349-352, TABS.
Mer 1964 464.8 P56
Cochliobolus setivus, Soils, Spore germinetion, Spore survival.

2356-67
PHYSIOLOGIC RACES OF PUCCINIA GRAMINIS TRITICI IN SOUTHERN KOREA.
H S Chung B K Chung
Plent Dis R 45(9):680
15 Sep 1961 1.9 P69P
Koree, Puccinie greminis tritici, Stem rust (wheat).

2357-67
MYROTHECIUM RORIDUM TODE AS A COTTON PATHOGEN.
M Cognee L S Bird
Phytopetholo 54(6):621
May 1964 464.8 P56
Cotton, Microorgenisms, Myrothecium roridum Tode.

2358-67
DODINE, AN OUTSTANDING FUNGICIDE FOR PECAN SCAB CONTROL.
J Cole
Plent Dis R 44(4):251-252
15 Apr 1960 1.9 P69P
Dodine, Fungicides, Pecens, Sceb (pecens).

2359-67
LIVER SPOT DISEASE OF PECAN EXTENDS ITS RANGE INTO GEORGIA.
J R Cole
Plent Dis R 49(2):148
15 Feb 1965 1.9 P69P
Georgie, Liver spot (pecen), Pecens.

2360-67
1964 SPRAY TESTS TO CONTROL PECAN SCAB.
J R Cole
Plent Dis R 49(8):703-707, TABS
Aug 1965 1.9 P69P
Fusicledium effusum (Wint.), Sceb (pecen), Spraying.

2361-67
SCAB IS NOW AFFECTING THE STUART VARIETY OF PECAN IN GEORGIA AS WELL AS IN OTHER SOUTHEASTERN STATES.
J R Cole
Plent Dis R 45(12):911
15 Dec 1961 1.9 P69P
Fusicledium effusum Wint., Georgie, Pecens, Sceb (pecens).

2362-67
THE NORTH AMERICAN 1961 SET OF SUPPLEMENTAL DIFFERENTIAL WHEAT VARIETIES FOR LEAF RUST RACE IDENTIFICATION.
Committee Of North Americen Wheet Leaf Rust Reseerch Workers
Plent Dis R 45(6):444-446
15 Jun 1961 1.9 P69P
Leef rust (wheet), Nomencleture, Plent diseese resistence, Puccinie recondite.

2363-67
REFERENCE TO MELILOTUS ITALICA, A NEW HOST FOR UROMYCES STRIATUS .
I L Conners
Plant Dis R 44(5):373
15 May 1960 1.9 P69P
Melilotus itelice, Plant diseeses, Plent hosts, Uromyces striatus.

2364-67
VIRUS DISEASES OF THE PAPAYA IN FLORIDA.
R A Conover
Phytopetholo 52(1):6
Jen 1962 464.8 P56
Floride, Pepeyes, Virus diseeses (plents).

2365-67
OCCURRENCE OF VIRUSES CAUSING RASPBERRY MOSAIC IN SOME COMMERCIAL STOCKS OF RED RASPBERRY IN EASTERN UNITED STATES.
R H Converse
Plent Dis R 45(11):882-883
15 Nov 1961 1.9 P69P
Moseic (respberries), Rubus.

2366-67
CORRELATION BETWEEN FUSARIUM WILT INDICES OF COTTON VARIETIES WITH ROOT-KNOT AND WITH STING NEMATODES AS PREDISPOSING AGENTS.
W E Cooper B B Brodie
Phytopetholo 52(1):6
Jen 1962 464.8 P56
Belonolelmus longicaudetus, Cotton, Fusarium oxysporum, Meloidogyne incognite, Nemetodes, Root knot (cotton), Wilt (cotton).

2367-67
A NEW HOST FOR FOMES ANNOSUS, POLYPORUS SCHWEINITZII AND FOMES PINI.
C E Cordell J S Astin Jr
Plent Dis R 49(4):360
15 Apr 1965 1.9 P69P
Fomes ennosus, Fomes pini, Plent hosts, Polyporus schweinitzii.

2368-67
HISTOLOGICAL AND CONTROL STUDIES OF THE LOPHODERMIUM NEEDLE CAST DISEASE OF EASTERN WHITE PINE.
A C Costonis W M Banfield
Phytopatholo 54(2):127
Feb 1964 464.8 P56
Lophodermium, Needle cest (pinus), Pinus strobus.

2369-67
FIELD SUSCEPTIBILITY OF PEPPER VARIETIES AND SELECTIONS TO FRUIT ROT CAUSED BY ALTERNARIA TENUIS.
J W Courter M C Shurtleff F C Quebrel A E Thompson
Plant Dis R 49(11):886-890
Nov 1965 1.9 P69P
Alternaria tenuis, Black spot (peppers), Peppers, Plent diseese resistance.

2370-67
FIELD RESISTANCE OF FLAX TO PASMO.
R P Covey Jr
Phytopetholo 52(1):6
Jen 1962 464.8 P56
Flax, Pesmo (flex), Plant disease resistence.

2371-67
NEW MATERIALS FOR THE CONTROL OF APPLE POWDERY MILDEW.
R P Covey Jr P Figaro
Plent Dis R 49(10):876-877
Oct 1965 1.9 P69P
Apples, Fungicides, Powdery mildew (epples).

2372-67
INFLUENCE OF TEMPERATURE ON GROWTH OF FOMES ANNOSUS ISOLATES.
E B Cowling A Kelmen
Phytopetholo 54(4):373-378, BIBL., 378, TA85.
Apr 1964 464.8 P56
Fomes ennosus, Fungus cultures, Isoletes, Tempereture.

2373-67
CHARACTERISTICS OF ROSE POWDERY MILDEW FUNGI IN WISCONSIN.
D L Coyier A C Hildebrandt
Phytopetholo 52(1):6-7
Jen 1962 464.8 P56
Mildew (plents), Wisconsin.

2374-67
CONTROL OF PEPPER BACTERIAL SPOT BY FERTILIZER AND BY FOLIAR SPRAYS.
D F Crossen D J Fieldhouse P P Burbutis W W Townsley Jr
Plent Dis R 45(2):120-123, TABS.
15 Feb 1961 1.9 P69P
Becteriel spot (redpeppers), Fertilizers, Foiier epplicetion, Xenthomones vesicatoria.

2375-67
ISOLATION OF XANTHOMONAS VESICATORIA FROM TISSUES OF CAPSICUM ANNUUM.
D F Crossan A L Morehert
Phytopetholo 54(3):358-359
Mer 1964 464.8 P56
Bush redpeppers (vegeteble), Phytopethology, Tissues, Xanthomonas vesicetorie.

2376-67
RUST ON SUNFLOWERS IN THE MISSISSIPPI DELTA.
T W Culp M L Kinmen
Plent Dis R 49(5):433-434
15 Mey 1965 1.9 P69P
Mississippi, Puccinie helienthi Schw., Rust (sunflowers), Sunflowers.

2377-67
RUSTY SPOT OF PEACH AND ITS CONTROL IN NEW JERSEY.
R H Daines C M Haenseler E Brennan I Leone
Plant Dis R 44(1):20-22
1S Jan 1960 1.9 P69P
Fungus diseases (plants), Peaches, Plant disease control, Rusty spot (peaches).

2378-67
ADDITIONAL DATA ON CORN VIRUS IN ARKANSAS.
J L Dale
Plant Dis R 49(3):202-203
1S Mar 196S 1.9 P69P
Arkansas, Corn, Plant disease transmission, Plant hosts.

2379-67
INFECTION OF SUGARCANE WITH MECHANICALLY TRANSMISSIBLE CORN VIRUS.
J L Dale L Anzalone Jr
Plant Dis R 49(9):7S7-7S9
Sep 196S 1.9 P69P
Corn, Plant disease transmission, Sugarcane, Virus diseases plants.

2380-67
INHERITANCE OF RESISTANCE IN BARLEY TO BARLEY YELLOW DWARF.
V D Damsteegt G W Bruehl
Phytopathole S4(2):219-224, TABS.
Feb 1964 464.8 PS6
Barley, Heredity (plants), Plant disease resistance, Plant genetics, Yellow dwarf (barley).

2381-67
SOIL AND FOLIAR TREATMENTS FOR THE CONTROL OF SCLEROTINIOSE OF LETTUCE.
J F Darby
Plant Dis R 4S(7):SS2-SS6, TABS.
1S Jul 1961 1.9 P69P
Foliar application, Lettuce, Lettuce drop, Sclerotiniose, Soil treatment.

2382-67
A STEMPHYLIUM LEAF SPOT DISEASE OF GRAM.
G N Das P K Sen Gupta
Plant Dis R 4S(12):979
1S Dec 1961 1.9 P69P
Chickpeas, Gram, Leaf spot (gram), Stemphylium.

2383-67
EXPERIMENTS ON MECHANICAL TRANSMISSION OF CITRUS VIRUSES.
D Dauthy J M Bove
Int Organ Citrus Virol Pr 3RD:2S0-2S3
1963 464.06 IN82
Citrus, Plant disease transmission, Virus diseases (plants).

2384-67
PAXILLUS ATROTOMENTOSUS CAUSES BROWN ROOT ROT IN DEAD JACK PINE IN PLANTATIONS IN WISCONSIN.
R W Davidson R F Patton
Plant Dis R 4S(11):836-83B
1S Nov 1961 1.9 P69P
Brown root rot (pinus banksiana), Fungi, Paxillus atrotomentosus, Pinus banksiana, Plantations, Wisconsin.

2385-67
EFFECT OF UREDIOSPORE CONCENTRATION ON DETERMINATION OF RACES OF UROMYCES PHASEOLI VAR, PHASEOLI.
A D Davison E K Vaughan
Phytopathole S4(3):336-338, PL.
Mar 1964 464.B PS6
Biological races, Inoculum, Pustules, Spore concentration, Urediospore, Uromyces phaseoli var. phaseoli.

2386-67
ANTHRACNOSE INOCULATION OF SORGO WITH A TRACTOR-MOUNTED SPRAYER.
J L Dean
Phytopathole S4(6):621-622
Jun 1964 464.B PS6
Anthracnose (sorgho), Immunization, Sorgho, Sprayer.

2387-67
COMPARISON OF STANDARD FUNGICIDES RECOMMENDED FOR CONTROL OF POWDERY MILDEW OF ROSES.
I W Deep A Bartlett
Plant Dis R 4S(8):628-631
1S Aug 1961 1.9 P69P
Fungicides, Phytotoxicity, Powdery mildew (rosa), Rosa.

2388-67
INFLUENCE OF TEMPERATURE ON INIATION OF CROWN GALL IN WOODY HOSTS.
I W Deep H Hussin
Plant Dis R 49(9):734-73S, TABS.
Sep 196S 1.9 P69P
Agrobacterium tumefaciens, Crown galls (herbs), Herbs, Plant hosts, Soil temperature.

2389-67
EFFECT OF FRUIT SHAPE ON THE OCCURRENCE OF INTERNAL MOLD IN CANNERY PIMIENTOS.
A H Dempsey H L Cochran
Plant Dis R 49(2):1S7-1S8
15 Feb 196S 1.9 P69P
Bush redpeppers (vegetable), Fruit shape, Molds, Pimientos.

2390-67
LEAF BLIGHT OF DRACAENA INCITED BY PHYLLOSTICTA DRACONIS.
M V Desai K P Patel
Plant Dis R 4S(3):203
1S Mar 1961 1.9 P69P
Leaf spot (dracaena), Phyllosticta draconis.

2391-67
CHEMICAL CONTROL OF PEACH TREE CHLOROSIS.
L E Dickens W J Henderson J Altman
Plant Dis R 44(S):317
1S May 1960 1.9 P69P
Chemical control (plant diseases), Chemicals, Chlorosis (peaches), Peaches.

2392-67
PATHOGENICITY AND POPULATION TRENDS OF PRATYLENCHUS PENETRANS ON POTATO AND CORN.
O J Dickerson H M Darling G D Griffin
Phytopathole S4(3):317-322, BIBL. 322 TABS.
Mar 1964 464.8 PS6
Corn, Pathogenicity, Population statistics, Potatoes, Pratylenchus penetrans.

2393-67
DODINE-CAPTAN COMBINATION CONTROLS BACTERIAL SPOT OF PEACH.
U L Diener C C Carlton
Plant Dis R 44(2):136-13B
1S Feb 1960 1.9 P69P
Bacterial spot (peaches), Captan, Dodine, Peaches.

2394-67
INVASION OF PEANUT PODS IN THE SOIL BY ASPERGILLUS FLAVUS.
U L Diener C R Jackson W E Cooper R J Stipes N D Davis
Plant Dis R 49(11):931-93S, TABS.
Nov 196S 1.9 P69P
Aspergillus flavus, Peanuts, Soil contamination.

2395-67
THE PREVALENCE OF LATENT VIRUSES IN OREGON APPLE TREES.
G G Dimalla J A Milbrath
Plant Dis R 49(1):1S-17, TABS.
1S Jan 196S 1.9 P69P
Apples, Oregon, Virus diseases (plants).

2396-67
EFFECTS OF NUTRITION ON THE CHLOROTIC DWARF DISEASE ON EASTERN WHITE PINE.
L S Dochinger
Plant Dis R 4B(2):107-109
1S Feb 1964 1.9 P69P
Chlorotic dwarf (pinus strobus), Pinus strobus, Plant nutrition.

2397-67
OAK WILT IDENTIFIED IN TEXAS.
O J Dooling
Plant Dis R 4S(9):749
1S Sep 1961 1.9 P69P
Ceratocystis fagacaerum, Quercus, Texas, Wilt (quercus).

2398-67
THE ERADICATION OF CITRUS CANKER.
R N Dopson Jr
Plant Dis R 4B(1):30-31
1S Jan 1964 1.9 P69P
Canker (citrus), Citrus.

2399-67
OBSERVATIONS ON FOMES ANNOSUS ROOT-ROT IN NATURAL STANDS OF LOBLOLLY AND SHORTLEAF PINE.
C H Driver T R Dell
Plant Dis R 4S(S):3S2-3S3

20 2400-67

15 May 1961 1.9 P69P
Fomes annosus, Pinus echinata, Pinus taeda,
Root rot (pinus echinata), Root rot (pinus taeda).

2400-67
HOST RELATIONSHIPS OF BEET WESTERN YELLOWS VIRUS STRAINS.
J E Duffus
Phytopatholo 54(6):736-738, TABS.
Jun 1964 464.8 P56
Beets, Host range, Western yellows (sugar beets).

2401-67
BACTERIAL WILT OF TAGETES MINUTA.
P D Dukes D J Morton S F Jenkins Jr
Plant Dis R 49(10):847-848
Oct 1965 1.9 P69P
Bacterial wilt (Tagetes minuta), Tagetes minuta.

2402-67
THE IDENTIFICATION AND PERSISTENCE OF AN INDIGENOUS RACE OF PSEUDOMONAS SOLANACEARUM IN SOIL IN GEORGIA.
P D Dukes S F Jenkins Jr C A Jaworski D J Morton
Plant Dis R 49(7):586-590
Jul 1965 1.9 P69P
Georgia, Pseudomonas solanacearum, Soil microorganisms.

2403-67
INFLUENCE OF HOST PASSAGE ON VIRULENCE OF PHYTOPHTHORA PARASITICA VAR. NICOTIANAE.
P D Dukes J L Apple
Plant Dis R 45(5):362-365
15 May 1961 1.9 P69P
Black shank (tobacco),
Phytophthora parasitica var.nicotianae,
Plant disease resistance.

2404-67
STUNT DISEASE OF SOYBEANS CAUSED BY CORYNEBACTERIUM SP.
J Dunleavy
Phytopatholo 52(1):8
Jan 1962 464.8 P56
Corynebacterium spp., Soybeans, Stunt (soybeans).

2405-67
SCLEROTIUM DISEASE OF COFFEE INCITED BY SCLEROTIUM COFFEICOLUM.
E Echandi A Salas
Phytopatholo 54(5):498
May 1964 464.8 P56
Coffee, Sclerotium coffeicolum, Sclerotium disease (coffee).

2406-67
COMBINED RELATION OF PLANT MATURITY, TEMPERATURE, AND SOIL MOISTURE TO CHARCOAL STALK ROT DEVELOPMENT IN GRAIN SORGHUM.
L K Edmunds
Phytopatholo 54(5):514-517, TABS.
May 1964 464.8 P56
Charcoal rot (sorghum), Plant physiology, Soil moisture,
Sorghum, Temperature.

2407-67
MAIZE DWARF MOSAIC IN OHIO IN 1964.
C W Ellett B F Janson L E Williams
Plant Dis R 49(7):615-616
Jul 1965 1.9 P69P
Corn, Dwarf mosaic (maize), Ohio.

2408-67
DETECTION OF PSOROSIS VIRUS IN LEAVES OF SOUR ORANGE BY THE IODINE TEST.
H M Elsaid J B Sinclair
Phytopatholo 54(6):622
Jun 1964 464.8 P56
Iodine, Psorosis (oranges), Sour oranges.

2409-67
DETECTION OF PSOROSIS VIRUS INFECTION IN LEAVES OF SOUR ORANGE BY THE IODINE TEST.
H M Elsaid J B Sinclair
Plant Dis R 49(1):18-20
15 Jan 1965 1.9 P69P
Iodine test, Leaves, Psorosis (oranges), Sour oranges.

2410-67
PENETRATION AND DEVELOPMENT OF HETERODERA GLYCINES IN SOYBEAN ROOTS AND RELATED ANATOMICAL CHANGES.
B Y Endo
Phytopatholo 54(1):79-88
Jan 1964 464.8 P56
Heterodera glycines, Heterodera glycines,
Nematode morphology, Soybeans.

2411-67
TURFGRASS DISEASES IN SOUTHERN CALIFORNIA.
R M Endo
Plant Dis R 45(11):869-873, BIBL. 873
15 Nov 1961 1.9 P69P
California, Fungus diseases (plants), Helminthosporium,
Root rot (turf), Turf.

2412-67
QUANTITATIVE DETERMINATION OF THE FREE AMINO ACIDS AND AMIDES IN ROOTS AND LEAVES OF HEALTHY AND EXOCORTIS-INFECTED CITRUS SINENSIS OSBECK ON PONCIRUS TRIFOLIATA RAF.
A W Feldman R W Hanks
Int Organ Citrus Virol Pr 3RD:285-290
1963 464.06 INB2
Amides, Amino acids, Citrus, Citrus sinensis Osbeck,
Exocortis (citrus), Leaves, Poncirus trifoliata Raf.,
Quantitative analysis, Roots.

2413-67
CROWN-GALL DISEASE ON RHODODENDRON.
L M Fenner
Plant Dis R 49(4):360
15 Apr 1965 1.9 P69P
Crown gall (rhododendron), Rhododendron.

2414-67
A GENERALIZED LIFE CYCLE OF PATHOGENS OF TREES.
C L Fergus W J Stambaugh
Plant Dis R 45(12):916-917
15 Dec 1961 1.9 P69P
Fungus diseases (plants), Life cycle, Tree diseases.

2415-67
THE EFFECT OF CONIDIAL CONCENTRATION ON PERITHECIAL FORMATION BY THE OAK WILT FUNGUS.
C L Fergus W J Stambaugh F W Cobb Jr R A Schmidt
Plant Dis R 45(9):736-738
15 Sep 1961 1.9 P69P
Ceratocystis fagacearum, Perithecia, Quercus,
Wilt (quercus).

2416-67
A BARLEY LOOSE SMUT EPIDEMIC IN MINNESOTA IN 1959.
K D Fezer H G Johnson
Plant Dis R 44(1):71
15 Jan 1960 1.9 P69P
Barley, Loose smut (barley).

2417-67
INOCULUM SUPPLY AS A VARIABLE IN THE EPIPHYTOLOGY OF LOOSE SMUT OF BARLEY AND WHEAT.
K D Fezer
Phytopatholo 52(1):9-10
Jan 1962 464.8 P56
Barley, Loose smut (barley), Loose smut (wheat), Wheat.

2418-67
ISOLATIONS FROM MYCORRHIZAL ROOTS OF SWEETGUM.
T H Filer Jr E R Toole
Plant Dis R 49(10):869-870
Oct 1965 1.9 P69P
Liquidambar styraciflua, Mycorrhiza, Roots.

2419-67
DAMAGE TO TURFGRASSES CAUSED BY CYANOGENIC COMPOUNDS PRODUCED BY MARASMIUS OREADES, A FAIRY RING FUNGUS.
T H Filer Jr
Plant Dis R 49(7):571-574
Jul 1965 1.9 P69P
Agrostis tenuis, Cyanogenic compounds,
Fairy rings (grasses), Festuca rubra, Marasmius oreades,
Poa pratensis, Turf.

2420-67
EFFECT OF BARLEY STRIPE MOSAIC ON WHEAT.
P J Fitzgerald R G Timian
Plant Dis R 44(5):359-361
15 May 1960 1.9 P69P
Barley, Stripe mosaic (barley), Wheat.

2421-67
VARIABILITY IN THE PHYSIOLOGIC RACE POPULATIONS OF OAT CROWN RUST ISOLATED FROM AECIA AND UREDIA.
G Fleischmann
Plant Dis R 49(2):132-133
15 Feb 1965 1.9 P69P
Aecia, Crown rust (oats), Uredia.

2422-67
A BARK DISORDER OF GRAPEFRUIT.
J L Foguet
Int Organ Citrus Viroi Pr 3RD:199-203
1963 464.06 IN8Z
Bark diseases, Grapefruit.

2423-67
STALK DETERIORATION OF PLANTS SUSCEPTIBLE TO CORN STALK ROT.
D C Foley
Phytopatholo 52(1):10
Jan 196Z 464.8 P56
Deterloration, Stalk rot (corn).

2424-67
A SECOND INDEPENDENT GENE IN BLUE LUPINE CONDITIONING RESISTANCE TO STEMPHYLIUM SOLANI.
I Forbes H D Wells J R Edwardson
Phytopatholo 54(1):54-55
Jan 1964 464.8 P56
Lupine, Lupinus angustifolius, Plant disease resistance, Plant genetics, Stemphylium solani.

2425-67
PHRAGMIDIUM ROSE RUST EPIDEMIC IN LOUISIANA STATE UNIVERSITY GARDENS.
I L Forbes T P Pirone
Plant Dis R 45(4):274-275
15 Apr 1966 1.9 P69P
Gardens, Louisiana, Phragmidium, Rust (roses).

2426-67
STUDIES ON THE DISEASE CYCLE OF RED ROT OF SUGARCANE IN LOUISIANA.
I L Forbes F Sancheznavarrete
Phytopatholo 52(1):10
Jan 1962 464.8 P56
Louisiana, Red rot (sugarcane), Sugarcane.

2427-67
RELATIVE SEVERITY OF LEGUME VIRUSES IN PEAS MEASURED BY PLANT GROWTH REDUCTION.
R E Ford J R Baggett
Plant Dis R 49(7):627-629
Jul 1965 1.9 P69P
Legumes, Peas, Plant physiology, Virus diseases (plants).

2428-67
REACTIONS OF PLANT INTRODUCTION LINES OF PISUM SATIVUM TO ALFALFA MOSAIC, CLOVER YELLOW MOSAIC, AND PEA STREAK VIRUSES, AND TO POWDERY MILDEW.
R E Ford J R Baggett
Plant Dis R 49(9):787-789
Sep 1965 1.9 P69P
Mosaic (alfalfa), Peas, Pisum sativum, Plant introduction, Powdery mildew, Streak (peas), Yellow mosaic (clover).

2429-67
ENATION SYMPTOMS IN TOBACCO INDUCED BY ALFALFA MOSAIC VIRUS.
R E Ford
Plant Dis R 49(8):684-686
Aug 1965 1.9 P69P
Enation mosaic (tobacco), Mosaic (alfalfa), Tobacco.

2430-67
EVIDENCE OF A TOXIC SUBSTANCE PRODUCED BY FUNGI INVOLVED IN SEED-PIECE ROT OF SUGARCANE.
W D Forrest R J Steib
Phytopatholo 52(1):10
Jan 196Z 464.8 P56
Fungi, Rot (sugarcane), Sugarcane, Toxins.

2431-67
YELLOW BUD VIRUS ENDEMIC ALONG CALIFORNIA COAST.
N W Frazier C E Yarwood A H Gold
Plant Dis R 45(8):649-651, BIBL. 6S0-651
15 Aug 1961 1.9 P69P
California, Yellow bud mosaic (peaches).

2432-67
DIFFERENTIAL TRANSMISSION OF NINETEEN VARIATIONS OF STRAWBERRY MOTTLE VIRUS BY APHIS GOSSYPII GLOVER.
N W Frazier
Plant Dis R 44(1):12
15 Jan 1960 1.9 P69P
Aphis gossypii Glover, Mottle (strawberries), Plant disease transmission, Strawberries.

2433-67
CORN NATURALLY INFECTED BY SUGARCANE MOSAIC VIRUS IN CALIFORNIA.
N W Frazier J H Freitag A H Gold
Plant Dis R 49(3):204-206
15 Mar 1965 1.9 P69P
California, Corn, Mosaic (sugarcane).

2434-67
ASTER YELLOWS OF FLAX.
R A Frederiksen
Phytopatholo 54(1):44-48, TABS.
Jan 1964 464.8 P56
Aster yellows (flax), Flax.

2435-67
RUST OF ZOYSIA SPP. IN FLORIDA.
T E Freeman
Plant Dis R 49(5):382
15 May 1965 1.9 P69P
Florida, Zoysia japonica, Zoysia matrella, Zoysia pungentis.

2436-67
LEUCOPTERA SPARTIFOLIELLA, AN INTRODUCED ENEMY OF SCOTCH BROOM IN THE WESTERN UNITED STATES.
K E Frick
J Econ Entom 57(4):589-591
Aug 1964 421 J8Z2
Cytisus scoparius, Western United States.

2437-67
RELEASE OF VIRUS-INDEXED PRUNUS BUDWOOD FROM THE INTERREGIONAL REPOSITORY.
P R Fridlund
Plant Dis R 49(3):187-188
15 Mar 1965 1.9 P69P
Plant repositories, Prunus budwood, Virus indexing (plants).

2438-67
THE IMPORTANCE OF GREEN RING MOTTLE VIRUS DETECTION IN A PRUNUS VIRUS INDEXING PROGRAM.
P R Fridlund
Plant Dis R 45(9):687-689
15 Sep 1961 1.9 P69P
Green ring mottle (prunus), Indexing, Prunus.

2439-67
A METHOD FOR SCREENING ALFALFA PLANTS FOR RESISTANCE TO PSEUDOPEZIZA MEDICAGINIS.
F I Frosheiser
Phytopatholo 50(7):568
Jul 1960 464.8 P56
Alfalfa, Leaf spot (alfalfa), Medicago sativa L., Pseudopeziza medicaginis.

2440-67
CLAVICEPS GIGANTEA, A NEW PATHOGEN OF MAIZE IN MEXICO.
S F Fuentes M Lourdes de la Isla A J Ullstrup
Phytopatholo 54(4):379-381, PL.
Apr 1964 464.8 P56
Claviceps gigantea, Corn, Corn, Mexico.

2441-67
FACTORS RELATED TO SOIL TRANSMISSION OF TOBACCO RINGSPOT VIRUS.
J P Fulton
Phytopatholo 52(1):10
Jan 196Z 464.8 P56
Ring spot (tobacco), Soils.

2442-67
VARIETAL RESISTANCE TO SEEDLING DISEASE IN COTTON.
N D Fulton B A Waddle K Bollenbacher
Phytopatholo 52(1):10
Jan 1962 464.8 P56
Cotton, Plant diseases, Plant pest resistance.

2443-67
HISTORY OF BLACK SHANK IN GEORGIA FLUE-CURED TOBACCO INCLUDING SPREAD OF THE DISEASE IN 1959.
J G Gaines
Plant Dis R 44(3):155-158
15 Mar 1960 1.9 P69P
Black shank (tobacco), Flue-cured tobacco, Plant disease transmission.

2444-67
MATING TYPES IN PHYTOPHTHORA CINNAMOMI.
J Galindo A. G A Zentmyer
Phytopatholo 54(5):499

20 2445-67

May 1964 464.B PS6
Mating, Phytophthora cinnamomi.

2445-67
HOST RANGE AND INSECT TRANSMISSION OF THE HOJA BLANCA DISEASE OF RICE.
G E Galvez H D Thurston P R Jennings
Plant Dis R 45(12):949-953, TABS.
15 Dec 1961 1.9 P69P
Echinochloa, Grasses, Hoja blanca (rice).

2446-67
TRANSMISSION OF HOJA BLANCA OF RICE BY THE PLANTHOPPER, SOGATA CUBANA.
G E Galvez H D Thorston P R Jennings
Plant Dis R 44(6):394
15 Jun 1960 1.9 P69P
Hoja blanca (rice), Plant disease transmission, Planthoppers, Sogata cubana, Virus diseases (plants).

2447-67
INOCULUM POTENTIAL AND DIFFERENCES AMONG PEANUTS IN SUSCEPTIBILITY TO SCLEROTIUM ROLFSII.
K H Garren
Phytopatholo 54(3):279-281
Mar 1964 464.B PS6
Inoculum, Peanuts, Plant disease resistance, Sclerotium rolfsii.

2448-67
VARIETAL RESISTANCE TO FLAG SMUT IN KENTUCKY BLUEGRASS.
T A Gaskin
Plant Dis R 49(12):1017
Dec 1965 1.9 P69P
Flag smut (Poa pratensis), Plant disease resistance, Poa pratensis, Urocystis agropyri.

2449-67
VARIETAL REACTION OF KENTUCKY BLUEGRASS TO SEPTORIA LEAF SPOT (SEPTORIA MACROPODA).
T A Gaskin
Plant Dis R 49(9):802
Sep 1965 1.9 P69P
Leaf spot (Poa pratensis), Poa pratensis, Septoria macropoda.

2450-67
EFFECT OF CHEMICAL SEED TREATMENTS ON THREE DIFFERENT LOTS OF THE SAME VARIETY OF COTTON.
J D Gay J H Owen
Plant Dis R 49(8):720-722
Aug 1965 1.9 P69P
Cotton, Seed treatment.

2451-67
NATURAL OCCURRENCE OF HOJA BLANCA ON WHEAT AND OATS.
J W Gibler P R Jennings C F Krull
Plant Dis R 45(5):334
15 May 1961 1.9 P69P
Hoja blanca (rice), Insect vectors, Oats, Wheat.

2452-67
VARIATION IN ISOLATES FROM ARMILLARIA ROOT DISEASE IN NYASALAND.
I A S Gibson D C M Corbett
Phytopatholo 54(1):122-123
Jan 1964 464.B PS6
Armillaria tabescens, Nyasaland, Root rot (clitocybe).

2453-67
SILVER NITRATE INCREASES INFECTION BY TOBACCO MOSAIC VIRUS.
C C Gill C E Yarwood
Plant Dis R 48(1):21-25
15 Jan 1964 1.9 P69P
Mosaic (tobacco), Silver nitrate.

2454-67
OAK WILT SURVEYS IN WEST VIRGINIA.
W H Gillespie
Plant Dis R 49(2):173-177
15 Feb 1965 1.9 P69P
Aerial surveys, Ground surveys, West Virginia, Wilt (quercus).

2455-67
CHERRY ROSETTE: ITS NONIDENTITY WITH PFEFFINGERKRANKHEIT AND ITS POSSIBLE AFFINITY WITH STECKLINBURGER DISEASE.
R M Gilmer
Plant Dis R 45(3):228-231, BIBL. 230-231
15 Mar 1961 1.9 P69P

Necrotic ringspot virus, Pfeffingerkrankheit, Rosette (cherries), Steckiinburger.

2456-67
A BLIGHT OF GROUND CHERRY AND RUSSIAN ALMOND SEEDLINGS CAUSED BY GLOEOSPORIUM FRUCTIGENUM BERK.
R M Gilmer
Plant Dis R 44(6):395
15 Jun 1960 1.9 P69P
Almonds, Blight (ground cherry), Gloeosporium fructigenum Berk, Russian almonds, Seedlings.

2457-67
THE FREQUENCY OF NECROTIC RING SPOT, SOUR CHERRY YELLOWS, AND GREEN RING MOTTLE VIRUSES IN NATURALLY INFECTED SWEET AND SOUR CHERRY ORCHARD TREES.
R M Gilmer
Plant Dis R 45(8):612-615, TABS.
15 Aug 1961 1.9 P69P
Green ring mottle (cherries), Mazzard cherries, Sour cherry necrotic ring spot (cherries), Sour cherry yellows (cherries).

2458-67
THE RAPID DETERMINATION OF NECROTIC RING SPOT AND SOUR CHERRY YELLOWS VIRUSES OF STONE FRUITS.
R M Gilmer
Plant Dis R 45(8):608-611
15 Aug 1961 1.9 P69P
Fruit, Ring spot (fruit), Ring spot (prunus), Sour cherry yellows (cherries).

2459-67
THE POTENTIAL OF MAGDALIS SPP. IN THE TRANSMISSION OF CERATOCYSTIS ULMI (BUIS.) MOREAU.
R D Goeden D M Norris
J Econ Entom 56(2):238-239
Apr 1963 421 JB22
Ceratocystis ulmi (Buis.) Moreau, Insect vectors, Plant disease transmission.

2460-67
A NEW RACE OF BEAN RUST IN ARKANSAS.
M J Goode
Plant Dis R 45(9):690-691
15 Sep 1961 1.9 P69P
Arkansas, Beans, Kidney beans, Rust (beans), Uromyces phaseoli.

2461-67
SOIL-BORNE INFECTION OF BULBOUS IRIS BY SCLEROTINIA BULBORUM CONTROLLED BY BULB AND SOIL TREATMENTS WITH PCNB.
C J Gould T S Russell
Plant Dis R 49(5):443-446
15 May 1965 1.9 P69P
Bulb treatment, Iris, Pentachloronitrobenzene, Sclerotinia bulborum, Soil treatment, Soil-borne plant diseases.

2462-67
NEW EXPERIMENTAL AND COMMERCIAL FUNGICIDES FOR CONTROL OF FUSARIUM PATCH DISEASE OF BENTGRASS TURF.
C J Gould V L Miller R L Goss
Plant Dis R 49(11):923-927
Nov 1965 1.9 P69P
Agrostis tenuis, Fungicides, Fusarium nivale, Fusarium patch (Agrostis tenuis), Turf.

2463-67
EFFICIENCY OF VARIOUS METHODS OF APPLYING PCNB FOR PREVENTING SOIL-BORNE INFESTATION OF BULBOUS IRIS BY SCLEROTIUM ROLFSII.
C J Gould T S Russell
Plant Dis R 49(2):149-153, TABS.
15 Feb 1965 1.9 P69P
Iris, Pentachloronitrobenzene, Sclerotium rolfsii, Soil-borne plant diseases.

2464-67
FUNGICIDAL TESTS FOR CONTROL OF FUSARIUM PATCH DISEASE OF TURF.
C J Gould R L Goss V L Miller
Plant Dis R 45(2):112-118, TABS.
15 Feb 1961 1.9 P69P
Fungicides, Fusarium patch disease, Turf.

2465-67
OPHIOBOLUS PATCH DISEASE OF TURF IN WESTERN WASHINGTON.
C J Gould R L Goss M Eglitis
Plant Dis R 45(4):296-297

15 Apr 1966 1.9 P69P
Ophiobolus patch, Turf, Washington.

2466-67
INTERNAL BREAKDOWN IN CROWN OF RED CLOVER.
J H Graham C L Rhykerd R C Newton
Plant Dis R 44(1):59-61
15 Jan 1960 1.9 P69P
Crown rot (red clover), Fungus diseases (plants), Necrosis, Red clover.

2467-67
CITRUS VARIETY REACTION TO TRISTEZA VIRUS IN BRAZIL WHEN USED IN VARIOUS ROOTSTOCKS AND SCION COMBINATIONS.
T J Grant S Moreira A A Salibe
Plant Dis R 45(6):416-421
15 Jun 1961 1.9 P69P
Brazil, Rootstocks, Scion, Tristeza (citrus).

2468-67
PROGRESS IN CITRUS VIROLOGY: MECHANICAL TRANSMISSION.
T J Grant M K Corbett
Int Organ Citrus Virol Pr 3RD:244-249
1963 464.06 IN82
Citrus, Plant disease transmission, Virology.

2469-67
AERIAL APPLICATION OF FUNGICIDES FOR PECAN SCAB CONTROL.
C H Graves Jr
Phytopatholo 52(1):11
Jan 1962 464.8 P56
Aerial spraying, Fungicides, Pecans, Scab (pecans).

2470-67
CONTACT FUNGICIDES FOR PEACH SCAB CONTROL.
C H Graves Jr B C Hurt Jr
Plant Dis R 44(2):129
15 Feb 1960 1.9 P69P
Fungicides, Peaches, Scab (peaches).

2471-67
CONTACT FUNGICIDES FOR PEACH SCAB CONTROL.
C H Graves Jr B C Hurt Jr
Phytopatholo 52(1):11-12
Jan 1962 464.8 PS6
Fungicides, Fusicladium carpophillum, Pecans, Scab (pecans), Spraying.

2472-67
BLACKSTEM OF COTTONWOOD.
L E Gray J J Jokela H B Wycoff
Plant Dis R 49(10):B67-B6B
Oct 1965 1.9 P69P
Black stem (Populus deltoides), Populus deltoides.

2473-67
VERTICILLIUM WILT OF POTATO IN NORTHERN INDIANA.
R J Green Jr. R W Samson C Fordyce
Plant Dis R 45(1):30
15 Jan 1961 1.9 P69P
Indiana, Verticillium albo-atrum Reinke and Berth, Wilt (potatoes).

2474-67
CROWN ROT OF BOXED BANANAS.
G L Greene R D Goos
Phytopatholo 52(1):12
Jan 1962 464.8 P56
Bananas, Crown rot (bananas).

2475-67
ASSOCIATION OF DAGGER NEMATODE, XIPHINEMA AMERICANUM, WITH STUNTING AND WINTERKILL OF ORNAMENTAL SPRUCE.
G D Griffin A H Epstein
Phytopatholo 54(2):177-180, TABS.
Feb 1964 464.B P56
Dagger nematode, Picea, Picea, Stunting (trees), Winterkill (spruce), Xiphenema americanum.

2476-67
OVERGROWTH IN MALAYAN CROP PLANTS FOLLOWING INFECTION BY FUSARIUM SOLANI AND F. DECEMCELLULARE.
D A Griffiths W C Lim
Plant Dis R 49(12):979-980
Dec 1965 1.9 P69P
Crops, Fusarium decemcelluiare, Fusarium solani, Malaya, Plant physiology.

2477-67
THE RELATIONSHIP OF SEVERE BEAN MOSAIC VIRUS FROM MEXICO TO SOUTHERN BEAN MOSAIC VIRUS AND ITS RELATED STRAIN IN COWPEA.
R G Grogan K A Kimble
Phytopatholo 54(1):75-78
Jan 1964 464.B P56
Cowpeas, Mosaic (beans), Mosaic (cowpeas), Virus diseases (plants).

2478-67
THE RELATIONSHIP OF SEVERE BEAN MOSAIC VIRUS FROM MEXICO TO SOUTHERN BEAN MOSAIC VIRUS.
R G Grogan K A Kimble
Phytopatholo 52(1):12
Jan 1962 464.B P56
Beans, Mexico, Mosaic (beans), Viruses.

2479-67
EFFECT OF SOME FUNGICIDES ON PECTOLYTIC ENZYME ACTIVITY OF SCLEROTINIA SCLEROTIORUM AND BOTRYTIS ALLII.
R K Grover
Phytopatholo 54(2):130-133
Feb 1964 464.B P56
Botrytis allii, Fungicides, Fungus diseases (plants), Peptidases, Sclerotinia sclerotiorum.

2480-67
CAVITY SPOT DISEASE OF CARROT AND PARSNIP ROOTS.
E F Guba R E Young T Ui
Plant Dis R 45(2):102-105
15 Feb 1961 1.9 P69P
Cavity spot (carrots), Parsnips, Rainfall.

2481-67
OUTBREAK OF ZONATE LEAFSPOT OF SORGHUM-SUDAN HYBRIDS IN ALABAMA.
R T Gudauskas C S Hoveland
Plant Dis R 49(1):91
15 Jan 1965 1.9 P69P
Alabama, Gloeocercospora sorghi, Sorghum, Sorghum vulgare sudanense, Zonate leafspot.

2482-67
ROOT GRAFTING, A POTENTIAL SOURCE OF ERROR IN APPLE INDEXING.
H W Guengerich D F Millikan
Plant Dis R 49(1):39-41
15 Jan 1965 1.9 P69P
Apples, Plant grafting, Virus indexing (plants).

2483-67
BACTERIAL BLIGHT OF PEAS INCITED BY PSEUDOMONAS PHASEOLICOLA (BURK) DOWS.
J W Guthrie D M Huber H S Fenwick
Plant Dis R 49(10):B54
Oct 1965 1.9 P69P
Bacterial blight (peas), Peas, Pseudomonas phaseolicola.

24B4-67
CONTROL OF POTATO MOSAIC DISEASES BY EXCLUSION.
J W Guthrie
Plant Dis R 44(5):340-341
15 May 1960 1.9 P69P
Exclusion, Mosaic (potatoes), Potatoes.

24B5-67
ATTEMPTS TO CONTROL DISSEMINATION OF INTERNAL CORK VIRUS OF SWEETPOTATOES WITH INSECTICIDES.
D H Habeck L W Nielsen C H Brett
Plant Dis R 45(5):330-333
15 May 1961 1.9 P69P
Insecticides, Internal cork (sweetpotatoes), Sweetpotatoes.

24B6-67
CERATOCYSTIS ULMI AND ZINC CHLORIDE EXPERIMENT.
G E Hafsted W C Lueschow
Plant Dis R 45(2):152
15 Feb 1961 1.9 P69P
Ceratocystis ulmi, Dieback (ulmus), Zinc chloride.

24B7-67
HALO BLIGHT AND BACTERIAL BROWN SPOT OF BEAN IN WISCONSIN IN 1964.
D J Hagedorn P N Patel
Plant Dis R 49(7):591-595, TABS.
Jul 1965 1.9 P69P
Bacterial brown spot (beans), Beans, Halo blight (beans), Wisconsin.

20 24BB-67

248B-67
GREENHOUSE EVALUATIONS OF SOIL FUNGICIDES FOR THE CONTROL OF PEA ROOT ROT.
W A Haglund
Plant Dis R 49(9):793-796
Sep 1965 1.9 P69P
Fungicides, Root rot (peas), Soil treatment.

24B9-67
NUTRITIONAL REQUIREMENTS OF APHANOMYCES EUTEICHES AND ITS RELATIONSHIP TO COMMON ROOT ROT TOLERANCE OF PEAS.
W A Haglund T H King
Phytopatholo S2(1):12
Jan 1962 464.B P56
Aphanomyces euteiches, Peas, Plant nutrition, Root rot (peas).

2490-67
ALFALFA MOSAIC VIRUS IN WHITE CLOVER AND POTATOES.
P M Hallsky B R Houston A R Magle
Plant Dis R 44(2):120-125
1S Feb 1960 1.9 P69P
Alfalfa, Mosaic (alfalfa), Potatoes, Virus diseases (plants), White clover.

2491-67
FUNGI ASSOCIATED WITH WHITE CLOVER STOLONS IN SELECTED AREAS OF THE SOUTHEAST DURING MID-SUMMER, 1959.
J E Haipin S M McCarter
Plant Dis R 4S(4):298-299
15 Apr 1961 1.9 P69P
Fungl, Stolons, White clover.

2492-67
SEASONAL PREVALENCE OF STOLON-ROTTING FUNGI IN 24 LINES OF WHITE CLOVER.
J E Haipin P B Gibson
Phytopatholo 54(6):623
Jun 1964 464.B PS6
Fungi, Plant genetlcs, Stolons, White clover.

2493-67
PRELIMINARY TRIALS ON THE CONTROL OF VERTICILLIUM WILT OF EGGPLANTS 8Y SOIL FUMIGATION.
Y Hameiri J Palti
Plant Dis R 4B(1):62
15 Jan 1964 1.9 P69P
Eggplant, Soil fumigation, Verticiiiium aibo-atrum.

2494-67
WHEAT STRIATE MOSAIC OBSERVED IN MONTANA.
R I Hamiiton
Plant Dis R 4B(1):68
15 Jan 1964 1.9 P69P
Montana, Striate mosaic (wheat), Wheat.

2495-67
PEA DISEASES IN WASHINGTON AND OREGON, 1964.
R O Hampton R E Ford
Plant Dis R 49(3):235-23B
15 Mar 1965 1.9 P69P
Oregon, Peas, Plant diseases, Washington.

2496-67
THE PATHOGENESIS OF BOTRYTIS CINERA, 8. SQUAMOSA, AND 8. ALLII ON ONION LEAVES.
J G Hancock J W Lorbeer
Phytopatholo S2(1):12
Jan 1962 464.B PS6
Botrytis allii, Botrytis cinera, Botrytis squamosa, Microorganlsms, Onions.

2497-67
AN IMPROVED METHOD FOR DETERMINING RESISTANCE TO FUSARIUM STEM ROT OF SWEETPOTATOES.
G C Hanna A G Gentile K A Klmble
Plant Dis R 45(7):S62-S63
15 Jul 1961 1.9 P69P
Fusarium, Plant disease resistance, Stem rot (sweetpotatoes), Sweetpotatoes.

249B-67
A REASON FOR THE NUMBER ORDER OF BIOLOGICAL RACES.
W W Hare
Phytopatholo 54(6):623
Jun 1964 464.B PS6
Biological races, Cowpeas, Fusarium oxysporum f. tracheiphilum.
Tests with Fusarium wilt of cowpea suggest that comparative rates of disease production could account for prevalence of races in the order they were numbered.

2499-67
BIOLUGICAL RACES FROM WITHIN THE SAME PLANT.
W W Hare
Phytopatholo S4(6):623
Jun 1964 464.B P56
Biological races, Fungi, Fusarium oxysporum f. tracheiphilum.

2500-67
OCCURRENCE OF BARLEY YELLOW DWARF VIRUS (BYDV) IN ISRAEL.
I Harpaz M Klein
Plant Dis R 49(1):34-35
1S Jan 196S 1.9 P69P
Israei, Oats, Yeiiow dwarf (barley).

2501-67
AN IMPROVED SYSTEM FOR CONTROLLING SOIL TEMPERATURES IN THE STUDY OF SOIL-BORNE PLANT PATHOGENS.
M D Harrison C H Livingston N Oshima
Plant Dis R 49(5):452-454
15 May 1965 1.9 P69P
Plant disease control, Soil temperature, Soil-borne plant diseases.

2502-67
WILLOW BLIGHT IN MICHIGAN.
J H Hart
Plant Dis R 49(12):1016
Dec 1965 1.9 P69P
Blight (salix), Michigan, Salix.

2503-67
ALTERNARIA LEAF SPOT OF PIERIS JAPONICA.
G C Hartmann
Plant Dis R 45(12):93B-939
15 Dec 1961 1.9 P69P
Alternaria teuius, Andromeda, Leaf spot (pieris japonica), Pieris japonica.

2S04-67
LEAF SCALD OF RICE, RHYNCHOSPORIUM ORYZAE, IN COSTA RICA.
Hastings de Gutierrez
Plant Dis R 44(4):294-29S
15 Apr 1960 1.9 P69P
Leaf scald (rice), Rhynchosporium oryzae, Rice.

2505-67
STRIPE SMUT DAMAGE ON PENNLU CREEPING BENTGRASS.
M J Healey M P Britton J D 8utler
Plant Dis R 49(8):710
Aug 196S 1.9 P69P
Agrostis palustris, Stripe smut (bentgrass), Ustilago striiformis (West.).

2S06-67
NONSPECIFIC ACQUIRED RESISTANCE TO PATHOGENS RESULTING FROM LOCALIZED INFECTIONS BY THIELAVIOPSIS BASICOLA OR VIRUSES IN TO8ACCO LEAVES.
E I Hecht D F 8ateman
Phytopatholo 54(5):S23-530, BIBL. 529-S30, TABS.
May 1964 464.8 P56
Microorganisms, Plant disease resistance, Thielaviopis basicola, Tobacco.

2507-67
CHEMOTHERAPEUTIC ACTION OF DIMETHOATE AGAINST A ROOT-KNOT NEMATODE IN GREENHOUSE TOMATO PLANTS.
A W Helton
Plant Dis R 49(4):3S2-3S7
1S Apr 1965 1.9 P69P
Dimethoate, Greenhouse culture, Immunizatlon, Plant nematodes, Root-knot nematode, Tomatoes.

250B-67
FIRST YEAR EFFECTS OF 10 SELECTED CYTOSPORA ISOLATES ON 20 FRUIT AND FOREST TREE SPECIES AND VARIETIES.
A W Helton
Plant Dis R 45(7):500-504, BI8L. 503-S04
1S Jul 1961 1.9 P69P
Cytospora, Peaches, Plums, Tree diseases.

2509-67
INFLUENCE OF LOCATION ON INVASION OF DRY-ICE-KILLED TISSUES ON ITALIAN PRUNE TREES 8Y NATURALLY DISSEMINATED CYTOSPORA FUNGI.
A W Helton
Plant Dis R 45(12):918-920
1S Dec 1961 1.9 P69P

Cytospora, Dry ice, Freeze killing, Italian prune trees, Prunus domestica.

2510-67
LOW TEMPERATURE INJURY AS A CONTRIBUTING FACTOR IN CYTOSPORA INVASION OF PLUM TREES.
A W Helton
Plant Dis R 45(8):591-597, TABS.
15 Aug 1961 1.9 P69P
Cytospora, Plant injuries, Plant temperature, Plums, Temperature.

2511-67
REACTION OF TOMATO VARIETIES AND BREEDING LINES TO FUSARIUM OXYSPORUM F. LYCOPERSICI RACE 1.
W R Henderson N N Winstead
Plant Dis R 45(4):272-273
15 Apr 1961 1.9 P69P
Fusarium oxysporum f. lycopersici, Plant disease resistance, Plant genetics, Wilt (tomatoes).

2512-67
PINUS RADIATA SUSCEPTIBLE TO PITCH CANKER.
G H Hepting
Plant Dis R 45(11):889-890
15 Nov 1961 1.9 P69P
Fusarium lateritium, Pinus virginia, Pitch canker (pinus radiata).

2513-67
ETIOLOGY OF SUMMER BUNCH ROT OF GRAPES IN CALIFORNIA.
W B Hewitt G V Gooding Jr L Chiarappa E E Butler
Phytopatholo 52(1):13
Jan 1962 464.8 P56
California, Grapes, Summer bunch rot (grapes).

2514-67
RACE 33 OF UROMYCES PHASEOLI VAR. TYPICA ARTH., A DISTINCT PHYSIOLOGIC RACE OF BEAN RUST FROM OREGON.
H R Hikida
Plant Dis R 45(5):388
15 May 1961 1.9 P69P
Oregon, Rust (beans), Uromyces phaseoli var. typica Arth..

2515-67
ARBUTIN-HYDROQUINONE COMPLEX IN PEAR AS A FACTOR IN FIRE BLIGHT DEVELOPMENT.
D C Hildebrand M N Schroth
Phytopatholo 54(6):640-645, BIBL. 645, TABS.
Jun 1964 464.8 P56
Arbutin-hydroquinone, Fire blight (pears), Pears.

2516-67
HEAT TREATMENTS FOR ELIMINATING VIRUS FROM SWEET POTATO PLANTS.
E M Hildebrand
Phytopatholo 52(1):13
Jan 1962 464.8 P56
Heat, Sweetpotatoes, Viruses.

2517-67
SUSCEPTIBILITY OF SWEETPOTATO VARIETIES TO YELLOW DWARF.
E M Hildebrand
Plant Dis R 49(5):425-428
15 May 1965 1.9 P69P
Plant disease resistance, Sweetpotatoes, Yellow dwarf (sweetpotatoes).

2518-67
VECTOR ANOMALIES AFFECTING EFFICIENCY IN PLANT VIRUS TRANSMISSION.
E M Hildebrand
Phytopatholo 52(1):13
Jan 1962 464.8 P56
Insect vectors, Plant disease transmission, Viruses.

2519-67
HOST-PATHOGEN RELATIONSHIP OF HELMINTHOSPORIUM TURCICUM IN RESISTANT AND SUSCEPTIBLE CORN SEEDLINGS.
H M Hilu A L Hooker
Phytopatholo 54(5):570-575
May 1964 464.8 P56
Corn, Helminthosporium turcicum, Parasitism, Plant disease resistance, Seedlings.

2520-67
OBSERVATION ON TOBACCO BLUE MOLD IN ISRAEL.
E Hindi I Dishon D Nevo
Plant Dis R 49(2):154-156
15 Feb 1965 1.9 P69P
Downy mildew (tobacco), Israel.

2521-67
CYTOSPORA CANKER RECURRENCE ON DOUGLAS-FIR IN COLORADO.
T E Hinds J L Stewart
Plant Dis R 49(6):481-482
15 Jun 1965 1.9 P69P
Colorado, Cytospora, Pseudotsuga menziesii.

2522-67
HYPOXYLON CANKER OF ASPEN IN ARIZONA.
T E Hinds J R Jones
Plant Dis R 49(6):480
15 Jun 1965 1.9 P69P
Arizona, Canker (populus tremuloides), Hypoxylon pruinatum (Klotzsch), Populus, Populus tremuloides.

2523-67
THE ROLE OF FUNGI IN THE PEACH REPLANT PROBLEM.
R B Hine
Plant Dis R 45(6):462-465, TABS.
15 Jun 1961 1.9 P69P
Fusarium, Peaches, Pythium, Rhizoctonia, Soil fungi.

2524-67
LARGE INCLUSION BODIES ASSOCIATED WITH VIRUS DISEASES OF RICE.
T Hirai N Suzuki I Kimura Nakazawa Y Kashiwagi
Phytopatholo 54(3):367-368, PL.
Mar 1964 464.8 P56
Inclusion bodies, Rice, Virus diseases (plants).

2525-67
PHYSIOLOGY OF SEXUAL REPRODUCTION IN HYPOMYCES SOLANI F. CUCURBITAE. I. INFLUENCE OF CARBON AND NITROGEN.
S M Hix R Baker
Phytopatholo 54(5):584-586
May 1964 464.8 P56
Carbon, Hypomyces solani f. cucurbitae, Nitrogen, Physiology, Reproduction.

2526-67
THE EFFECT OF COMPETITION BY PENIOPHORA GIGANTEA ON THE GROWTH OF FOMES ANNOSUS IN STUMPS AND ROOTS.
C S Hodges
Phytopatholo 54(6):623
Jun 1964 464.8 P56
Fomes annosus, Penlophora gigantea, Roots, Stumps.

2527-67
NEW HOSTS FOR CERCOSPORA THUJINA PLAKIDAS.
C S Hodges
Plant Dis R 45(9):745
15 Sep 1961 1.9 P69P
Cercospora thujina Plakidas, Tree diseases.

2528-67
THE INCIDENCE OF DWARF BUNT IN THE PACIFIC NORTHWEST AND ITS OCCURRENCE ON GAINES WHEAT.
J A Hoffman E L Kendrick C S Holton
Plant Dis R 49(5):401-402
15 May 1965 1.9 P69P
Dwarf bunt (wheat), Pacific Northwest, Tilletia controversa, Wheat.

2529-67
VIRULENCE IN CERATOCYSTIS ULMI.
F W Holmes
Phytopatholo 54(2):128
Feb 1964 464.8 P56
Ceratocystis ulmi, Virulence.

2530-67
MODE OF INHERITANCE OF PATHOGENICITY IN SOME RACE HYBRIDS OF USTILAGO AVENAE.
C S Holton
Phytopatholo 54(6):660-662, TABS.
Jun 1964 464.8 P56
Ethnology, Heredity, Ustilago avenae.

2531-67
LOCAL EPIDEMIC OUTBREAKS OF FUNGUS LEAF SPOTS ON GAINES WHEAT IN 1964.
C S Holton
Plant Dis R 49(3):242-243
15 Mar 1965 1.9 P69P
Leaf spot (wheat), Wheat.

20 2532-67

2532-67
OCCURRENCE OF PUCCINIA POLYSORA IN ILLINOIS.
A L Hooker
Plant Dis R 45(3):236
15 Mar 1961 1.9 P69P
Corn, Illinois, Puccinia polysora Underw.,
Puccinia sorghi Schw..

2533-67
A NEW TYPE OF RESISTANCE IN CORN TO HELMINTHOSPORIUM TURCICUM.
A L Hooker
Plant Dis R 45(10):780-781
15 Oct 1961 1.9 P69P
Corn, Helminthosporium turcicum, Plant breeding,
Plant disease resistance, Plant genetics.

2534-67
DEVELOPMENT OF NEARLY ISOGENIC RUST-RESISTANT LINES OF CORN.
A L Hooker W A Russell
Phytopatholo 52(1):14
Jan 1962 464.8 P56
Corn, Microorganisms, Plant disease resistance, Rust (corn).

2535-67
A NEW KERNEL ROT DISEASE OF CORN IN WISCONSIN.
P E Hoppe
Plant Dis R 45(2):99
15 Feb 1961 1.9 P69P
Corn, Kernel rot (corn), Wisconsin.

2536-67
VERTICILLIUM WILT OF HOPS IN OREGON.
C E Horner
Plant Dis R 49(6):538-539
15 Jun 1965 1.9 P69P
Hops, Oregon, Verticillium dahliae Kleb, Wilt (hops).

2537-67
SOME FACTORS AFFECTING THE TRANSMISSION AND STABILITY OF POTATO SPINDLE TUBER VIRUS.
J E Hunter A R Rich
Phytopatholo 54(2):128
Feb 1964 464.8 P56
Fungus diseases (plants), Spindle tuber (potatoes), Viruses.

2538-67
LONGEVITY OF XANTHOMONAS MALVACEARUM ON AND IN COTTON SEED.
R E Hunter L A Brinkerhoff
Phytopatholo 54(5):617
May 1964 464.8 P56
Angular leafspot (cotton), Cottonseed,
Xanthomonas malvacearum.

2539-67
PARTIAL RESISTANCE TO GREENPOINT CUSHION GALL IN CACAO CLONES COMPLETELY RESISTANT TO FLOWERY GALL.
L M Hutchins J Soria L R Siller
Phytopatholo 54(5):499
May 1964 464.8 P56
Cacao, Flowery gall, Greenpoint cushion gall,
Plant disease resistance.

2540-67
LOSS OF GALL-INDUCING CAPACITY ON CACAO, WHEN CALONECTRIA RIGIDIUSCULA PASSES FROM THE CONIDIAL (FUSARIUM) STAGE THROUGH THE PERFECT (ASCOSPORE) STAGE.
L M Hutchins
Plant Dis R 49(7):564-565
Jul 1965 1.9 P69P
Cacao, Colonectria rigidiuscula, Fusarium decemcelliulare,
Green point gall (cacao), Plant galls.

2541-67
PREDISPOSITION TO CACAO KNOB GALL IN WOUNDS WHERE FLOWERY GALL HAS BEEN EXCISED.
L M Hutchins
Phytopatholo 54(5):499
May 1964 464.8 P56
Cacao, Plant galls.

2542-67
HIGH TEMPERATURE FOLLOWING INFECTION CHECKS DOWNY MILDEW OF LIMA BEAN.
R A Hyre
Phytopatholo 54(2):181-184, TAB5.
Feb 1964 464.8 P56
Downy mildew (lima beans), Temperature, Weather.

2543-67
GLIOCLADIUM ROSEUM (LINK) BAINER ON DECLINING AND DEAD STEMS OF PSILOTUM NUDUM.
W I Illman
Plant Dis R 48(1):68
15 Jan 1964 1.9 P69P
Gliocladium roseum (Link) Bainier, Psilotum nudum.

2544-67
ESTIMATING GERMINABILITY OF SCLEROTIA.
W I Illman
Plant Dis R 44(4):297
15 Apr 1960 1.9 P69P
Fungi, Germination control, Sclerotia, Seed germination.

2545-67
PLANT DISEASES THREATENING THEOBROMA CACAO IN THE WESTERN HEMISPHERE.
E P Imle
Phytopatholo 54(5):499
May 1964 464.8 P56
Cacao, Plant diseases, Western hemisphere.

2546-67
LABORATORY EVALUATION OF FUNGICIDES FOR CONTROL OF SOME FUNGI FOUND ON PEANUTS.
C R Jackson
Plant Dis R 49(11):928-931
Nov 1965 1.9 P69P
Fungi, Fungicides, Peanuts.

2547-67
OKRA SEED INFECTION AND SEEDLING ROOT ROT CAUSED BY FUSARIUM SOLANI.
C R Jackson
Phytopatholo 54(6):624
Jun 1964 464.8 P56
Fusarium solani, Okra, Root rot (okra).

2548-67
A FLOWER ROT SYMPTOM ASSOCIATED WITH STEMPHYLIUM RAY SPECK OF CHRYSANTHEMUM.
C R Jackson
Plant Dis R 45(10):798
15 Oct 1961 1.9 P69P
Chrysanthemum morifolium, Flower rot,
Ray speck (chrysanthemum), Stemphylium floridanum.

2549-67
ALTERNARIA RAY SPECK OF GERBERA JAMESONII.
C R Jackson
Phytopatholo
Gerbera jamesonii, Ray speck (Gerbera jamesonii).

2550-67
SWEET CORN SUSCEPTIBILITY TO MAIZE DWARF MOSAIC.
B F Janson N H Deema
Plant Dis R 49(6):478-479
15 Jun 1965 1.9 P69P
Dwarf mosaic (maize), Plant disease resistance, Sweetcorn.

2551-67
SOME MORPHOLOGICAL AND PHYSIOLOGICAL FEATURES OF CLEMENTINE MANDARIN TREES AFFECTED BY CACHEXEA.
A Jardeny S P Monselise M Chorin
Int Organ Citrus Virol Pr 3RD:291-294
1963 464.06 INB2
Cachexia (limes), Clementine mandarines, Plant morphology,
Plant physiology.

2552-67
MORPHOLOGY, TAXONOMY, AND SEXUALITY OF THE ASCOGENOUS STAGES OF TWO COLLETOTRICHUM SPP. THAT ATTACK CUCURBITS.
S F Jenkins Jr N N Winstead
Phytopatholo 52(1):15
Jan 1962 464.8 P56
Collectotrichum, Cucurbits, Plant morphology,
Plant taxonomy, Sex.

2553-67
SEPTOCYLINDRIUM AROMATICUM ON SWEET FLAG.
A E Jenkins A P Viegas
Plant Dis R 45(2):145
15 Feb 1961 1.9 P69P
Acorus calamus, Septocylindrium aromaticum, Sweet flag.

2554-67
THE EFFECT OF TEMPERATURE, RELATIVE HUMIDITY AND PRECIPITATION ON PEANUT LEAFSPOT.
R E Jensen L W Boyle

Plant Dis R 49(12):975-978
Dec 1965 1.9 P69P
Humidity, Leaf spot (peanuts), Peanuts, Precipitation, Temperature.

2555-67
ZINNIA ELEGANS A NEW HOST OF SPHAEROTHECA FULIGINEA.
J S Jhooty
Plant Dis R 49(9):756
Sep 1965 1.9 P69P
Sphaerotheca fuliginea, Zinnia elegans.

2556-67
ON THE ANTIGENICITY OF VIRUS CAUSING TUNGRO DISEASE OF RICE.
V T John
Plant Dis R 49(4):305-306
15 Apr 1965 1.9 P69P
Antiserum, Rice, Tungro disease, Virus diseases (plants).

2557-67
OCCURRENCE OF CERTAIN PLANT DISEASES IN KENTUCKY IN 1964.
E M Johnson L Henson W D Valleau R A Chapman
Plant Dis R 49(5):450-451
15 May 1965 1.9 P69P
Epidemiology, Kentucky, Plant diseases.

2558-67
OCCURRENCE OF CERTAIN PLANT DISEASES IN KENTUCKY IN 1963.
E M Johnson C C Litton R A Reinert
Plant Dis R 48(2):111-113
15 Feb 1964 1.9 P69P
Kentucky, Plant diseases.

2559-67
SOUTHERN BLIGHT OF ANNUAL RYEGRASS AND WINTER OATS.
H W Johnson P G Rothman D H Bowman
Plant Dis R 49(5):408-411
15 May 1965 1.9 P69P
Lolium multiflorum, Oats, Sclerotium rolfsii, Southern blight (lolium), Southern blight (oats).

2560-67
SOUTHERN BLIGHT OF ANNUAL RYEGRASS AND WINTER OAT.
H W Johnson P G Rothman D H Bowman
Phytopatholo 54(6):624
Jun 1964 464.8 PS6
Lolium, Oats, Southern blight.

2561-67
RICE DISEASES IN THE DELTA AREA OF MISSISSIPPI IN 1959.
H W Johnson H R Coffey
Plant Dis R 44(1):19
15 Jan 1960 1.9 P69P
Kernels, Leaves, Rice, Smut (rice).

2562-67
PHYTOPHTHORA ROOT AND CROWN ROT OF ALFALFA IN THE YAZOO-MISSISSIPPI DELTA.
H W Johnson F L Morgan
Plant Dis R 49(9):753-755
Sep 1965 1.9 P69P
Alfalfa, Crown rot (alfalfa), Mississippi, Phytophthora cryptogea, Phytophthora megasperma, Root rot (alfalfa).

2563-67
IDENTIFICATION OF WHEAT LEAF RUST RESISTANCE COMBINATIONS BY DIFFERENTIAL TEMPERATURE EFFECTS.
L B Johnson J F Schafer
Plant Dis R 49(3):222-224
15 Mar 1965 1.9 P69P
Leaf rust (wheat), Plant disease resistance, Temperature, Wheat.

2564-67
RELATIVE PREVALENCE OF NA61 RACES OF PUCCINIA RECONDITA IN 1960 IN KANSAS AND OKLAHOMA.
C O Johnston H C Young Jr
Plant Dis R 45(6):446-447
15 Jun 1961 1.9 P69P
Kansas, Leaf rust (wheat), Oklahoma, Puccinia recondita.

2565-67
SYSTEMIC CONTROL OF POWDERY MILDEW OF ROSES (SPHAEROTHECA PANNOSA) WITH THE SEMICARBAZONE DERIVATIVE OF ACTI-DIONE.
B M Jones H G Swartwout
Plant Dis R 45(5):366-367
15 May 1961 1.9 P69P
Actl-dione semicarbazone, Powdery mildew (rosa), Rosa, Sphaeroteca pannosa.

2566-67
SYSTEMIC CONTROL OF POWDERY MILDEW OF ROSES, CAUSED BY THE FUNGUS SPHAEROTHECA PANNOSA, WITH DERIVATIVES OF CYCLOHEXIMIDE.
B M Jones H G Swartwout
Plant Dis R 45(10):794-795
15 Oct 1961 1.9 P69P
Cyclohexlmide, Powdery mildew (rosa), Rosa, Sphaerotheca pannosa.

2567-67
ANOTHER APPEARANCE IN FLORIDA OF A WILT FUSARIUM PATHOGENIC TO RACE 1-RESISTANT TOMATO VARIETIES.
J P Jones R H Littrell
Plant Dis R 49(6):536-537
15 Jun 1965 1.9 P69P
Florida, Fusarium oxysporum, Plant disease resistance, Tomatoes, Wilt (tomatoes).

2568-67
COMPARATIVE EFFECTS OF SOIL FUNGICIDE TREATMENTS ON SOIL ROT AND DAMPING-OFF OF CUCUMBER.
J P Jones
Plant Dis R 45(5):376-379
15 May 1961 1.9 P69P
Damping-off (cucumbers), Fungicides, Soil rot.

2569-67
CONTROL OF ANTHRACNOSE, SCAB, AND SOIL ROT OF CUCUMBERS IN FLORIDA.
J P Jones P H Everett
Plant Dis R 49(1):29-32, TABS.
15 Jan 1965 1.9 P69P
Anthracnose (cucumbers), Cucumbers, Florida, Rot (cucumbers), Scab (cucumbers).

2570-67
THE IMPORTANCE OF ROOT GRAFTS IN OAK WILT SPREAD IN MISSOURI.
T W Jones A D Partridge
Plant Dis R 45(7):506-507
15 Jul 1961 1.9 P69P
Ceratocystis fagacearum, Missouri, Plant grafting, Quercus, Wilt (quercus).

2571-67
FIRST REPORT OF PINE MORTALITY CAUSED BY FOMES ANNOSUS ROOT ROT IN OHIO.
T W Jones
Plant Dis R 45(12):980
15 Dec 1961 1.9 P69P
Fomes annosus, Ohio, Pinus echinata, Pinus virginiana, Root rot (pinus).

2572-67
INGRESS OF PRATYLENCHUS PENETRANS INTO ALFALFA ROOTS IN RELATION TO SOIL MOISTURE CONTENT.
P F Kable W F Mai
Phytopatholo 54(2):128
Feb 1964 464.8 P56
Alfalfa, Plant nematodes, Pratylenchus penetrans, Roots, Soil moisture.

2573-67
A RE-EVALUATION OF THE QUARANTINE SIGNIFICANCE OF CRYPTOSPORA LONGISPORA SERVAZZI ON IMPORTED SEED OF THE NORFOLK ISLAND PINE, ARAUCARIA EXCELSA.
R P Kahn W H Wheeler R L Monroe A Watson
Plant Dis R 49(8):656-659
Aug 1965 1.9 P69P
Araucaria excelsa, Cryptospora longispora Servazzi, Norfolk Island pine, Quarantine (plants), Seed analysis.

2574-67
SEROLOGICAL RELATIONSHIP OF CUCUMBER MOSAIC VIRUS AND CERTAIN VIRUS ISOLATES THAT INCITE AMARYLLIS MOSAIC SYMPTOMS.
R P Kahn H A Scott
Phytopatholo 54(3):360-362, PL.
Mar 1964 464.8 PS6
Amaryllis mosaic, Cucumbers, Mosaic (cucumbers).

2575-67
A NEW FRUIT ROT OF CHERRIES FROM INDIA.
I K Kalani
Plant Dis R 48(2):100-101
15 Feb 1964 1.9 P69P
Alternaria, Cherries, Fruit rot, India.

20 2576-67

2576-67
RESPONSE OF ZINNIA VARIETIES TO TOBACCO RINGSPOT VIRUS.
J G Karas D J deZeeuw C L Hamner
Plant Dis R 45(8):605-607
15 Aug 1961 1.9 P69P
Ring spot (tobacco), Zinnia elegans Jacq..

2577-67
STUDIES ON YELLOW BUD MOSAIC VIRUS.
H P Karle
Phytopatholo 50(6):466-472, PL.
Jun 1960 464.8 P56
Yellow bud mosaic.

2578-67
MODIFICATION AND ADAPTATION OF POPP S TECHNIQUE TO ROUTINE DETECTION OF USTILAGO NUDA (JENS) ROSTR. IN BARLEY EMBRYOS.
T Kavanagh D L Mumford
Plant Dis R 44(7):591-593, PL.
15 Jul 1960 1.9 P69P
Barley, Loose smut (barley), Plant embryos, Popp s technique, Ustilago nuda (Jens) Rostr..

2579-67
EVALUATION OF FUNGICIDES FOR CONTROL OF POWDERY MILDEW, AS WELL AS OTHER DISEASES, OF APPLE.
H L Keil R A Wilson
Plant Dis R 44(4):253-255
15 Apr 1960 1.9 P69P
Apples, Fungicides, Powdery mildew (apples).

25B0-67
POWDERY MILDEW ON PEACH.
H L Keil R A Wilson
Plant Dis R 45(1):10-11
15 Jan 1961 1.9 P69P
Peaches, Podosphaera oxyacanthae, Powdery mildew (peaches).

25B1-67
A ROOT AND STEM ROT OF YELLOW-POPLAR CAUSED BY CYLINDROCLADIUM SCOPARIUM.
A Keiman G V Gooding Jr
Plant Dis R 49(9):797-801
Sep 1965 1.9 P69P
Cylindrocladium scoparium, Liriodendron tulipifera, Root rot (liriodendron tulipifera), Stem rot (liriodendron tulipifera).

2582-67
THE REACTION OF VARIETIES AND HYBRID SELECTIONS OF SPRING WHEATS TO PATHOGENIC RACES OF TILLETIA CARIES AND T. FOETIDA.
E L Kendrick
Plant Dis R 49(10):839-843, TABS.
Oct 1965 1.9 P69P
Plant disease resistance, Tilletia caries, Tilletia foetida, Wheat.

25B3-67
TWO NEW PATHOGENIC RACES OF TILLETIA CARIES.
E L Kendrick
Plant Dis R 48(1):16-17
15 Jan 1964 1.9 P69P
Tilletia caries.

2584-67
THE OCCURRENCE OF POWDERY MILDEW OF WHEAT IN THE PACIFIC NORTHWEST.
E L Kendrick
Plant Dis R 49(10):B37-B38
Oct 1965 1.9 P69P
Pacific Northwest, Powdery mildew (wheat), Wheat.

25B5-67
INFECTION OF POTENTILLA BY XANTHOMONAS FRAGARIAE.
B W Kennedy
Plant Dis R 49(6):491-492
15 Jun 1965 1.9 P69P
Potentilla, Xanthomonas fragariae.

2586-67
TAXONOMY OF THE BACTERIUM CAUSING ANGULAR LEAF SPOT ON STRAWBERRY.
B W Kennedy T H King
Phytopatholo 52(1):16
Jan 1962 464.8 P56
Bacteria, Leaf spot (strawberry), Strawberries, Taxonomy.

2587-67
NOTES ON GYMNOSPORANGIUM GRACILE PAT.
F D Kern
Plant Dis R 48(2):93-94
15 Feb 1964 1.9 P69P
Gymnosporangium gracile Pat..

2588-67
DIEBACK OF MANAGED, OLD-GROWTH NORTHERN HARDWOODS IN UPPER MICHIGAN, 1954-1964 -- A CASE HISTORY.
K J Kesseler Jr
Plant Dis R 49(6):483-486
15 Jun 1965 1.9 P69P
Dieback (hardwoods), Michigan.

25B9-67
EFFECT OF TEMPERATURE AND POINT OF INOCULATION ON THE SYMPTOMATOLOGY OF BARLEY COVERED SMUT.
R L Kiesling
Phytopatholo 52(1):16-17
Jan 1962 464.8 P56
Barley, Immunization, Smut (barley), Temperature.

2590-67
FLORAL INFECTION OF LADINO WHITE CLOVER, INCITED BY CURVULARIA TRIFOLII.
R A Kilpatrick
Plant Dis R 45(4):286-287
15 Apr 1961 1.9 P69P
Curvularia trifolii, Ladino clover, Leaf spot (clover), White clover.

2591-67
DISEASES OF FORAGE GRASSES AND LEGUMES PREVIOUSLY UNREPORTED FROM NEW HAMPSHIRE.
R A Kilpatrick
Plant Dis R 45(12):926-927
15 Dec 1961 1.9 P69P
Forage plants, Grasses, Host indexing (plants), Legumes, New Hampshire.

2592-67
GREEN TOMATO FRUITS--A MEDIUM FOR INDUCING FRUIT ROT AND ASEXUAL SPORULATION WITH FUNGI ISOLATED FROM CLOVERS.
R A Kilpatrick
Plant Dis R 45(5):341-343
15 May 1961 1.9 P69P
Asexual reproduction, Fungi, Red clover, Rot (tomatoes), White clover.

2593-67
JUNCUS EFFUSUS, A NEW HOST FOR EPICHLOE TYPHINA.
R A Kilpatrick A E Rich J G Conklin
Plant Dis R 45(11):B99
15 Nov 1961 1.9 P69P
Bog rush, Cat-tail disease, Epichloe typhina, Juncus effusus.

2594-67
A MECHANICALLY TRANSMISSIBLE VIRUS LATENT IN APPLE.
H C Kirkpatrick R C Lindner
Phytopatholo 54(2):229-232, TABS.
Feb 1964 464.8 P56
Apples, Plant disease transmission.

2595-67
LEMON BUD UNION OVERGROWTH DISORDER AND ITS RELATION TO ROOTSTOCK AND TREE AGE.
J D Kirkpatrick W P Bitters
Plant Dis R 49(1):7-11
15 Jan 1965 1.9 P69P
Lemon bud union, Overgrowth, Rootstock, Tree age.

2596-67
CONTROL OF CERCOSPORA LEAF SPOT OF BANANAS WITH APPLICATION OF OIL SPRAYS BASED ON THE DISEASE CYCLE.
H H Klein
Phytopatholo 50(7):488-490,
Jul 1960 464.8 P56
Oils, Sigatoka (bananas), Spraying.

2597-67
HYPERSENSITIVE REACTION INDUCED BY PHYTOPATHOGENIC BACTERIA IN THE TOBACCO LEAF.
Z Klement G L Farkas L Lovrekovich
Phytopatholo 54(4):474-477, PL.
Apr 1964 464.8 P56
Bacteria, Leaves, Phytopathology, Pseudomonads, Tobacco.

2598-67
PINK ROOT DISEASE OF ONIONS IN MENDOZA, ARGENTINA.
A Klingner R E Pontis-Videla
Plant Dis R 45(3):235
15 Mar 1961 1.9 P69P
Argentina, Onions, Pink root (onions),
Pyrenochaeta terrestris.

2599-67
IDENTITY OF VIRUSES FROM SAFFLOWER AFFECTED WITH NECROSIS.
J M Klislewicz
Plant Dis R 49(6):541-545, BIBL. 544-545
15 Jun 1965 1.9 P69P
Mosaic (alfalfa), Mosaic (lettuce), Necrosis, Safflower.

2600-67
LIMITATIONS OF THE HOT WATER IMMERSION TREATMENT FOR THE CONTROL OF PHYTOPHTHORA BROWN ROT OF LEMONS.
L J Klotz T A DeWolfe
Plant Dis R 45(4):264-267
15 Apr 1961 1.9 P69P
Brown rot (citrus), Hot water treatment (plants), Lemons,
Phytophthora.

2601-67
TETRAZOLIUM, AN INDICATOR OF EXTENT OF INFECTION IN PHYTOPHTHORA ROOT ROT OF CITRUS.
L J Klotz T A DeWolfe
Plant Dis R 49(5):423-424
15 May 1965 1.9 P69P
Citrus, Indicators (disease), Phytophthora,
Root rot (citrus), Tetrazolium.

2602-67
THE RESISTANCE OF SPECIES OF PELARGONIUM TO XANTHOMONAS PELARGONII.
J F Knauss J Tammen
Phytopatholo 54(2):128
Feb 1964 464.8 P56
Bacteria, Bacterial diseases (plants), Herbs, Pelargonium,
Plant disease resistance, Xanthomonas pelargonii.

2603-67
THE STATUS OF CORN STUNT DISEASE IN GEORGIA IN 1964.
G M Kozelnicky
Plant Dis R 49(3):207-209
15 Mar 1965 1.9 P69P
Georgia, Stunt (corn).

2604-67
DUTCH ELM DISEASE IN KANSAS IN 1960.
C L Kramer H E Thompson
Plant Dis R 45(4):309
15 Apr 1961 1.9 P69P
Dieback (ulmus), Kansas.

2605-67
INFECTION OF ALFALFA SEEDLINGS BY INOCULATING WOUNDED COTYLEDONS WITH WILT BACTERIA.
K W Kreitlow
Phytopatholo 52(1):17
Jan 1962 464.8 P56
Alfalfa, Wilt (alfalfa).

2606-67
A RUST ON ZOYSIA JAPONICA NEW TO NORTH AMERICA.
K W Kreitlow F V Juska R T Haard
Plant Dis R 49(3):185-186
15 Mar 1965 1.9 P69P
Rust (zoysia japonica), Zoysia japonica.

2607-67
INFECTION, GROWTH RATE, AND COMPETITIVE ABILITY OF FOMES ANNOSUS IN INOCULATED PINUS ECHINATA STUMPS.
E G Kuhlman F F Hendrix Jr
Phytopatholo 54(5):556-561, TABS.
May 1964 464.B P56
Fomes annosus, Pinus echinata, Plant physiology.

2608-67
IMMUNITY TO BEAN YELLOW MOSAIC VIRUS IN COWPEA.
C W Kuhn B B Brantley G Sowell Jr
Plant Dis R 49(10):879-881
Oct 1965 1.9 P69P
Cowpeas, Immunization, Plant disease resistance,
Yellow mosaic (beans).

2609-67
MECHANICAL TRANSMISSION OF A VIRUS CAUSING LEAF MOTTLING OF PEANUTS.
C W Kuhn
Phytopatholo 54(6):624
Jun 1964 464.8 P56
Leaf mottle (peanuts), Peanuts, Plant disease transmission.

2610-67
SEPARATION OF COWPEA VIRUS MIXTURES.
C W Kuhn
Phytopatholo 54(6):739-740
Jun 1964 464.B P56
Cowpeas.

2611-67
SCREENING OF FUNGICIDES AND CHEMOTHERAPEUTANTS FOR CONTROL OF PINK ROOT OF ONIONS AND SHALLOTS.
M M Kulik E C Tims
Plant Dis R 44(6):379-382
15 Jun 1960 1.9 P69P
Chemotherapeutants, Fungicides, Pink root (onions),
Pink root (shallots).

2612-67
NITROGEN NUTRITION OF COLLETOTRICHUM COCCODES.
E B Kurtz C L Fergus
Phytopatholo 54(6):691-692
Jun 1964 464.B P56
Colletotrichum coccodes, Nitrogen, Nutrition.

2613-67
POKEWEED CRINKLE LEAF, CAUSED BY A VIRUS TRANSMITTED BY DODDER FROM DESERT SHRUBS IN SOUTHERN CALIFORNIA.
C F Lackey
Plant Dis R 49(12):1002-1005
Dec 1965 1.9 P69P
California, Crinkle leaf (pokeweed), Cuscuta californica,
Phytolacca americana, Plant disease transmission,
Xerophytes.

2614-67
CERTAIN BIOLOGICAL PROPERTIES OF A VIRUS FROM RANUNCULUS ASIATICUS.
E F Laird Jr R C Dickson
Plant Dis R 49(5):449
15 May 1965 1.9 P69P
Mosaic (anemone), Mosaic (ranunculus), Ranunculus asiaticus.

2615-67
A CORN DISEASE IN IOWA.
R C Lambe J M Dunleavy
Plant Dis R 49(4):339-341
15 Apr 1965 1.9 P69P
Corn, Iowa, Virus diseases (plants).

2616-67
HOST RANGES OF THE HOJA BLANCA VIRUS AND ITS INSECT VECTORS.
H A Lamey W W McMillian R D Hendrick
Phytopatholo 54(5):536-541, BIBL. 541, TABS.
May 1964 464.B P56
Hoja blanca (rice), Host indexing (plants), Insect vectors.

2617-67
A TECHNIQUE FOR LABORATORY EVALUATION OF SEED TREATMENTS TO CONTROL RICE SEED ROT.
H A Lamey
Plant Dis R 49(9):736-738
Sep 1965 1.9 P69P
Fungicides, Rice, Seed rot (rice), Seed treatment.

2618-67
LABORATORY TESTS OF RICE SEED TREATMENTS IN 1964 FOR CONTROL OF SEED ROT.
H A Lamey C D Brister
Plant Dis R 49(9):738-740
Sep 1965 1.9 P69P
Fungicides, Rice, Seed rot (rice), Seed treatment.

2619-67
RELATIVE RESISTANCE OR SUSCEPTIBILITY OF SEVERAL CLONES OF HEVEA BRASILIENSIS AND H. BRASILIENSIS X H. BENTHAMIANA TO TWO RACES OF DOTHIDELLA ULEI.
K R Langdon
Plant Dis R 49(1):12-14
15 Jan 1965 1.9 P69P
Dothidella ulei, Fungi, Hevea brasiliensis,
Hevea brasiliensis X H. benthamiana,
Plant disease resistance.

2620-67
OBSERVATIONS ON CUCUMBER BEETLES AS VECTORS OF CUCURBIT WILT.
J G Leach
Phytopatholo 54(5):606-607
May 1964 464.8 P56
Cucurbit wilt, Insect vectors.

2621-67
CONTROL OF SNOW MOLD BY REGULATING WINTER SOIL TEMPERATURE.
J B Lebeau
Phytopatholo 54(6):693-696
Jun 1964 464.8 P56
Snow mold (grasses), Soil temperature, Turfgrass.

2622-67
INFLUENCE OF BACTERIA ISOLATED FROM HEALTHY CUCUMBER LEAVES ON TWO LEAF DISEASES OF CUMCUMBER.
C Leben
Phytopatholo 54(4):405-408
Apr 1964 464.8 P56
Bacteria, Cucumbers.

2623-67
MELILOTUS ITALICA, A NEW HOST FOR UROMYCES STRIATUS.
E E Leppik
Plant Dis R 44(3):184-185
15 Mar 1960 I.9 P69P
Italian sweetclover, Melilotus italica, Plant host, Rust (italian sweetclover), Uromyces striatus.

2624-67
PLASMOPARA HALSTEDII AND OTHER DISEASES ON DIMORPHOTHECA.
E E Leppik
Plant Dis R 49(11):940-942
Nov 1965 I.9 P69P
Dimorphotheca, Plant diseases, Plasmopara halstedii.

2625-67
SOME EPIPHYTOTIC ASPECTS OF SQUASH MOSAIC.
E E Leppik
Plant Dis R 48(1):41-42
15 Jan 1964 I.9 P69P
Cucurbita maxima, Epiphytes, Mosaic (squash), Squash.

2626-67
NEW HOSTS FOR BROOM-CAUSING FUNGI IN THE SOUTHWEST.
P C Lightle F G Hawksworth
Plant Dis R 49(5):417-418
15 May 1965 I.9 P69P
Broom (juglans major), Microstoma juglandis, Plant hosts, Southwest.

2627-67
REDUCTION IN PATHOGENICITY AND TOXIN PRODUCTION IN DISEASED HELMINTHOSPORIUM VICTORIAE.
G D Lindberg
Phytopatholo 50(6):457-460, TAB5.
Jun 1960 464.8 P56
Helminthosporium victoriae, Pathogenicity, Toxicology, Toxins.

2628-67
CANKER OF TULIP POPLAR CAUSED BY FUSARIUM SOLANI.
H A Lipscomb W Witcher
Plant Dis R 49(6):507-508
15 Jun 1965 I.9 P69P
Canker (tulip poplar), Fusarium solani, Liriodendron tulipifera, Liriodendron tulipifera.

2629-67
STANDARDIZATION OF A PROCEDURE FOR ARTIFICIAL INOCULATION OF CUCUMBERS WITH COLLETOTRICHUM LAGENARIUM.
R H Littrell W M Epps
Plant Dis R 49(8):649-653
Aug 1965 I.9 P69P
Colletotrichum lagenarium, Cucumbers, Immunization.

2630-67
PUCCINIASTRUM EPILOBII ON FUCHSIA IN OREGON.
L B Loring L F Roth
Plant Dis R 48(2):99
15 Feb 1964 I.9 P69P
Fuchsia, Leaf rust (Fuchsia), Oregon, Pucciniastrum epilobii.

2631-67
PATHOGENESIS IN CANKERS CAUSED BY NECTRIA GALLIGENA.
M Lortie
Phytopatholo 54(3):261-263, BIBL. 263
Mar 1964 464.8 P56
Canker (trees), Nectria galligena, Pathogenesis.

2632-67
THE HOST RANGE OF THE VIRUS OF LAMBERT MOTTLE OF CHERRY, A PROGRESS REPORT.
T B Lott F W L Keane
Plant Dis R 45(3):204-207
15 Mar 1961 I.9 P69P
Lambert mottle (cherries), Prunus.

2633-67
SOME SEEDLINGS OF THE VAN CHERRY FOUND TO BE SUPERIOR TO BING AS INDICATORS FOR THE TWISTED LEAF VIRUS.
T B Lott F W L Keane
Plant Dis R 44(5):331
15 May 1960 I.9 P69P
Cherries, Seedlings, Twisted leaf (cherries).

2634-67
THE ASSOCIATION OF THE VIRUS DISEASES TWISTED LEAF OF CHERRY AND RING POX OF APRICOT.
T B Lott F W L Keane
Plant Dis R 44(4):243-245
15 Apr 1960 I.9 P69P
Ring pox (apricots), Twisted leaf (cherries), Viruses.

2635-67
PELLICULARIA FILAMENTOSA A COMMON SAPROPHYTE ON MATURE COTTON STEMS IN LOUISIANA.
Phytopatholo 54(6):626
Jun 1964 464.8 P56
Cotton, Louisiana, Pellicularia filamentosa, Saprophytes.

2636-67
CONTROL OF TOBACCO BROWN SPOT BY FIELD SPRAYING WITH DYRENE.
G B Lucas
Plant Dis R 45(3):159
15 Mar 1961 I.9 P69P
Brown spot (tobacco), Dyrena, Spraying.

2637-67
THE DEVELOPMENT OF MYCOSPHAERELLA BLACK ROT AND PELLICULARIA ROLFSII ROT OF WATERMELONS AT VARIOUS TEMPERATURES.
N S Luepschen
Plant Dis R 45(7):557-559
15 Jul 1961 I.9 P69P
Black rot (watermelons), Mycosphaerella melonis, Pellicularia rolfsii, Rot (watermelons), Temperature.

2638-67
THE OCCURRENCE OF PEAR BARK MEASLES IN COLORADO BARTLETT ORCHARDS.
N S Luepschen
Plant Dis R 49(5):392
15 May 1965 I.9 P69P
Bark measles (pears), Colorado, Pears.

2639-67
UREA, AN EFFECTIVE TREATMENT FOR STRIPE SMUT ON POA PRATENSIS.
R J Lukens
Plant Dis R 49(4):361
15 Apr 1965 I.9 P69P
Poa pratensis, Stripe smut (poa pratensis), Urea, Ustilago striiformis.

2640-67
EFFECT OF LOOSE KERNEL SMUT ON VEGETATIVE GROWTH OF JOHNSON GRASS AND SORGHUM.
E S Luttrell J P Craigmiles H B Harris
Phytopatholo 54(5):612
May 1964 464.8 P56
Loose kernel smut (sorghum), Plant physiology, Sorghum, Sorghum halepense.

2641-67
THE EFFECT OF PESTICIDES ON TURFGRASS DISEASE INCIDENCE.
J H Madison
Plant Dis R 45(11):892-893
15 Nov 1961 I.9 P69P
Fungicides, Herbicides, Insecticides, Nematocides, Rhizoctonia solani Kuehn, Turf.

2642-67
BLACK ROOT-ROT DEVELOPMENT ON PINTO BEANS, INCITED BY SELECTED THIELAVIOPSIS BASICOLA ISOLATES, AS INFLUENCED BY DIFFERENT SOIL TEMPERATURES.
C R Maier
Plant Dis R 45(10):804-807

15 Oct 1961 1.9 P69P
Black root rot (beans), Isolates, Kidney beans, Soil temperature, Thielaviopsis basicola.

2643-67
IN-THE-FURROW APPLICATION OF SOIL FUNGICIDES FOR CONTROL OF COTTON SEEDLING DISEASES.
C R Maier
Plant Dis R 45(4):276-280
15 Apr 1961 1.9 P69P
Fungicide application, Fungicides, Seadling disease (cotton), Soil fumigation.

2644-67
EFFECTS OF SOIL TEMPERATURE AND SELECTED CROP RESIDUES ON THE DEVELOPMENT AND SEVERITY OF FUSARIUM ROOT-ROT OF BEAN.
C R Maier
Plant Dis R 45(12):960-964, TABS.
15 Dec 1961 1.9 P69P
Fusarium solani f. phaseoli, Kidney beans, Plant residues, Root rot (beans), Soil temperature.

2645-67
STUDIES ON PETRI S VARIEGATION OF SOUR ORANGE LEAVES.
G Majorana G Siaramuzzi
Int Organ Citrus Virol Pr 3RD:254-259
1963 464.06 INB2
Leaf variegation, Sour oranges.

2646-67
A GALL DISEASE OF CACAO AND MANGO IN VENEZUELA CAUSED BY CALONECTRIA RIGIDIUSCULA.
G Malaguti L C de Reyes
Phytopatholo 54(5):499
May 1964 464.8 P56
Cacao, Calonectria rigidiuscula, Mangoes, Plant galls, Venezuela.

2647-67
STIMULATION AND DEPRESSION OF CELL-FREE CARBOXYLATING SYSTEMS IN RELATION TO DEVELOPMENT OF THE HELMINTHOSPORIUM LEAF SPOT DISEASE OF MAIZE.
I Malca R C Huffaker F P Zscheile Jr
Phytopatholo 54(6):663-669, BIBL. 668-669, TABS.
Jun 1964 464.8 P56
Helminthosporium, Leaf spot (maize), Metabolism.

2648-67
OBSERVATIONS ON COTTON BOLL ROT AT FLORENCE, SOUTH CAROLINA IN 1964.
P B Marsh M E Simpson B M Waddle D C Harrell
Plant Dis R 49(2):138-142, BIBL. 142
15 Feb 1965 1.9 P69P
Boll rot (cotton), Cotton, South Carolina.

2649-67
UNCOLLAPSED FIBERS ASSOCIATED WITH BOLL ROT IN COTTON.
P B Marsh T Kerr
Plant Dis R 45(7):550-551
15 Jul 1961 1.9 P69P
Boll rot (cotton), Cotton, Fibers, Fungi.

2650-67
SPHAEROPHRAGMIUM RUST DISCOVERED IN FLORIDA OF ALBIZIA LEBBECK (L.) BENTH.
A P Martinez
Plant Dis R 45(7):560-561
15 Jul 1961 1.9 P69P
Albizia lebbeck (L.) Benth., Florida, Rust (albizia), Sphaerophragmium acaciae.

2651-67
ASSESSMENT OF LOSS DUE TO GRAIN SMUT OF JOWAR MILLET (SORGHUM VULGARE) IN INDIA.
R S Mathur J S Jain G K Bajpai
Plant Dis R 49(2):164-166
15 Feb 1965 1.9 P69P
Crop losses, Durra, India, Smut (sorghum), Sorghum.

2652-67
THE EFFECT OF VECTOR CONTROL ON YELLOW MOSAIC INCIDENCE ON MOONG (MUNG BEAN) IN INDIA.
R S Mathur A K Banersee G K Bajpai
Plant Dis R 49(2):166-167
15 Feb 1965 1.9 P69P
India, Insect vectors, Moong, Yellow mosaic (moong).

2653-67
SEPTORIA ERIOBOTRYAE MAFFEI: A FIRST REPORT FOR THE UNITED STATES.
L A McClain H L Rubin
Plant Dis R 49(12):1016
Dec 1965 1.9 P69P
Fungi, Septoria eriobotryae Maffei.

2654-67
CHANGES IN SUGARS AND AMINO ACIDS OF CUCUMBER FRUITS INFECTED WITH PHYTHIUM APHANIDERMATUM.
C L McCombs N N Winstead
Phytopatholo 54(2):233-234
Feb 1964 464.8 P56
Amino acids, Cucumbers, Phythium aphanidermatum, Sugars.

2655-67
SPREAD OF APPLE CHLOROTIC LEAF SPOT VIRUS FROM TREE TO TREE.
R C McCrum
Plant Dis R 49(12):958-959
Dec 1965 1.9 P69P
Apples, Chlorotic leafspot (apples), Plant disease transmission.

2656-67
PHOMA BLACK STEM OF SUNFLOWERS.
W C McDonald
Phytopatholo 54(4):492
Apr 1964 464.8 P56
Black stem (sunflowers), Phoma oleracea var. helianthituberosi, Sunflowers.

2657-67
A BACTERIAL LEAF SPOT OF FLORISTS CHRYSANTHEMUMS, CHYRSANTHEMUM MORIFOLIUM.
L A McFadden
Plant Dis R 45(1):16-19
15 Jan 1961 1.9 P69P
Bacterial leaf spot (chyrsanthemums), Chyrsanthemum morifolium, Pseudomonas cichorii (Swingle) Stapp.

2658-67
THE INFECTION OF PEAR ROOTLETS BY PHYTOPHTHORA CACTORUM.
D L McIntosh
Plant Dis R 44(4):262-264
15 Apr 1960 1.9 P69P
Nursery stock (forestry), Pears, Phtophthora cactorum.

2659-67
LEAF SYMPTOMS OF TOBACCO RINGSPOT VIRUS INFECTIONS AFTER MECHANICAL INOCULATION ON DIFFERENT PLANT STRUCTURES.
D M McLean
Plant Dis R 49(1):54-57
15 Jan 1965 1.9 P69P
Immunization, Plant disease transmission, Ring spot (tobacco).

2660-67
A SURVEY OF CUCURBIT VIRUSES IN THE LOWER RIO GRANDE VALLEY OF TEXAS: PRELIMINARY REPORT.
D M McLean H M Meyer
Plant Dis R 45(2):137-139
15 Feb 1961 1.9 P69P
Mosaic (cucumbers), Mosaic (squash), Mosaic (watermelons), Ring spot (tobacco), Texas.

2661-67
MYROTHECIUM RIND ROT OF CANTALOUP.
D M McLean B Sleeth
Plant Dis R 45(9):728-729
15 Sep 1961 1.9 P69P
Cucumis, Myrotheclum, Rot (cantaloup).

2662-67
INOCULATION AND DEVELOPMENT OF RUST ON PEANUTS GROWN IN THE GREENHOUSE.
D V McVey
Plant Dis R 49(3):191-192
15 Mar 1965 1.9 P69P
Greenhouse culture, Immunization, Peanuts, Rust (peanuts).

2663-67
DECAY OF WOOD BY SPECIES OF THE XYLARIACEAE.
W Merrill D W French F A Wood
Phytopatholo 54(1):56-58
Jan 1964 464.8 P56
Populus tremuloides, Quercus rubra, Weight loss (wood), Wood decay, Wood destroying fungi, Xylariaceae.

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2664-67
TOMATO RING SPOT VIRUS ISOLATED FROM EOLA RASP LEAF OF CHERRY IN OREGON.
J A Milbrath J E Reynolds
Plant Dis R 45(7):520-521
15 Jul 1961 1.9 P69P
Chenopodium amaranticolor, Oregon, Rasp leaf (cherries), Ring spot (tomatoes).

2665-67
THE EPINASTY VIRUS REACTION OF KWANZAN AND SHIRO-FUGEN FLOWERING CHERRY.
J A Milbrath
Phytopatholo 50(7):495-497
Jul 1960 464.8 PS6
Green ring mottle (cherries), Kwanzan flowering cherry, Prunus serrulata, Ring spot (fruit), Shiro-fugen flowering cherry, Viruses.

2666-67
DWARFMISTLETOE FOUND ON FOXTAIL PINE IN CALIFORNIA.
D R Miller H H Bynum
Plant Dis R 49(8):647-648
Aug 1965 1.9 P69P
Arceuthobium campylopodum Engelm, California, Pinus balfouriana.

2667-67
REACTION OF WHEAT SEEDLINGS TO NEW ISOLATES OF WHEAT STEM RUST.
J D Miller D M Stewart
Plant Dis R 49(8):657-658
15 Aug 1961 1.9 P69P
Isolates, Puccinia graminis, Seedlings, Stem rust (wheat).

2668-67
NEW TECHNIQUES FOR PLANT DISEASE SURVEYS AND FOR APPRAISAL OF LOSSES.
P R Miller
Plant Dis R 44(1):5-11
15 Jan 1960 1.9 P69P
Crop losses, Plant diseases, Surveys.

2669-67
NON-TRANSMISSION OF CERTAIN STRAWBERRY VIRUSES BY NEMATODES.
P W Miller H J Jensen
Plant Dis R 49(6):509-511
15 Jun 1965 1.9 P69P
Nematodes, Plant disease transmission, Strawberries, Virus diseases (plants).

2670-67
THE ETIOLOGY OF BLACKLINE IN GRAFTED PERSIAN WALNUTS.
P W Miller
Plant Dis R 49(11):954
Nov 1965 1.9 P69P
Blackline (Juglans regia), Juglans hindsii, Juglans regia.

2671-67
JUGLANS REGIA APPARENTLY NOT SUSCEPTIBLE TO ELM AND CHERRY ISOLATES OF VERTICILLIUM ALBO-ATRUM.
P W Miller
Plant Dis R 48(1):69
15 Jan 1964 1.9 P69P
Cherries, Juglans regia, Ulmus, Verticillium albo-atrum.

2672-67
RAPID SPREAD OF MOTTLE AND MILD YELLOW-EDGE VIRUSES INTO HYBRID STRAWBERRY SELECTIONS.
P W Miller
Plant Dis R 49(4):284
15 Apr 1965 1.9 P69P
Mottle (strawberries), Plant disease transmission, Strawberries, Yellow edge (strawberries).

2673-67
GUMMOSIS AND LEAF SPOTTING OF SWEET CHERRY, SYMPTONS ASSOCIATED WITH BACTERIAL INFECTION.
D F Millikan H W Guengerich R N Goodman
Plant Dis R 49(5):380-381
15 May 1965 1.9 P69P
Gummosis (cherries), Leaf spot (cherries), Mazzard cherries, Pseudomonas spp., Xanthomonas spp..

2674-67
FURTHER OBSERVATIONS ON THE SCAR SKIN DISEASES OF APPLE.
D F Millikan H W Guengerich
Plant Dis R 44(4):260-261
15 Apr 1960 1.9 P69P
Apples, Scar skin (apples).

2675-67
RHIZOCTONIA SEED AND ROOT ROT OF AVOCADO.
S M Mircetich G A Zentmyer
Phytopatholo 54(2):211-213
Feb 1964 464.8 PS6
Avocados, Rhizoctonia, Root rot (avocados), Seeds.

2676-67
CHITIN AND THE BIOLOGICAL CONTROL OF FUSARIUM DISEASES.
R Mitchell M Alexander
Plant Dis R 48(7):487-490, TABS.
15 Jul 1961 1.9 P69P
Chitin, Fusarium, Root rot (beans), Wilt (radishes).

2677-67
SUSCEPTIBILITY OF VARIOUS APPLE CLONAL ROOTSTOCKS TO CEDAR APPLE RUST.
L A Mitterling
Plant Dis R 49(7):578-580
Jul 1965 1.9 P69P
Apples, Plant disease resistance, Rootstock, Rust (apples).

2678-67
NIGROSPORA COB ROT OF CORN IN THE UNITED ARAB REPUBLIC.
H A Mohamed S M Fathi
Plant Dis R 49(3):244-246
15 Mar 1965 1.9 P69P
Cob rot (corn), Corn, Nigrospora oryzae, United Arab Republic.

2679-67
CROP ROTATION STUDIES: I. FUNGI ISOLATED FROM COTTON SEEDLINGS FROM THE PERMANENT FERTILIZER EXPERIMENT AT BAHTIM.
H A Mohamed
Plant Dis R 49(12):1013-1014
Dec 1965 1.9 P69P
Cotton, Crop rotation, Egypt, Fertilizers, Fungi, Seedlings.

2680-67
SOME PHYSIOLOGICAL PROPERTIES OF LEAVES AND BARK OF PSOROSIS-INFECTED VALENCIA ORANGE TREES.
S P Monselise R Goren
Int Organ Citrus Virol Pr 3RD:298-298
1963 464.06 INB2
Bark, Leaves, Plant physiology, Psorosis (citrus), Valencia oranges.

2681-67
PATHOGENICITY OF PHYTOPHTHORA FRAGARIAE TO CERTAIN POTENTILLA SPECIES.
J N Moore D H Scott R H Converse
Phytopatholo 54(2):173-176, PL.
Feb 1964 464.8 PS6
Pathogenicity, Phytophthora fragariae, Potentilla, Red stele (strawberries).

2682-67
BEHAVIOUR OF 77 TRISTEZA TOLERANT ROOTSTOCKS WITH OLD AND NUCELLAR CLONES OF BARAO ORANGE SCIONS.
S Moreira C Roessing
Int Organ Citrus Virol Pr 3RD:299-301
1963 464.06 INB2
Barao oranges, Clones, Rootstock, Tristeza (citrus).

2683-67
NUCELLAR LINES IN THE STATE OF SAO PAULO, BRAZIL.
S Moreira A A Salibe
Int Organ Citrus Virol Pr 3RD:309-313
1963 464.06 INB2
Brazil, Nucellar clones.

2684-67
LEAF SYMPTOMS OF SOYBEAN ANTHRACNOSE.
F L Morgan H W Johnson
Phytopatholo 54(6):628
Jun 1964 464.8 PS6
Anthracnose (soybeans), Leaves.

2685-67
A SPECIES OF CLITOCYBE ASSOCIATED WITH DECLINING OAK AND SYCAMORE IN CALIFORNIA.
R H Morrison
Plant Dis R 49(10):870-871
Oct 1965 1.9 P69P
California, Clitocybe oleari, Platanus racemosa, Quercus agrifolia, Wood destroying fungi.

2686-67
A RECENTLY DISCOVERED UNIDENTIFIED FOLIAR DISEASE OF PEPPER SEEDLINGS IN GEORGIA.
D J Morton T J Ratcliffe
Plant Dis R 48(2):89
15 Feb 1964 1.9 P69P
Georgia, Redpeppers (vegetable), Seedlings.

2687-67
AN INVERSE RELATIONSHIP BETWEEN THE SEVERITIES OF HELMINTHOSPORIUM LEAF-BLADE AND SEPTORIA LEAF-SHEATH SYMPTOMS ON BARLEY.
D J Morton G A Peterson
Plant Dis R 44(1):23-24
15 Jan 1960 I.9 P69P
Barley, Helminthosporium, Leaf blade, Leaf sheath, Septoria.

2688-67
A MICROAGGLUTINATION TEST FOR IDENTIFYING XANTHOMONAS VESICATORIA IN PEPPER LEAF LESION.
D J Morton
Phytopatholo 54(6):625
Jun 1964 464.8 P56
Agglutination test, Leaf lesions (pepper), Pepper, Xanthomonas vesicatoria.

2689-67
NEW PATHOGENIC STRAINS OF PUCCINIA HORDEI AMONG PHYSIOLOGIC RACES IDENTIFIED IN UNITED STATES FROM 1959 THROUGH 1964.
J G Moseman L W Greeley
Plant Dis R 49(7):575-578
Jul 1965 1.9 P69P
Leaf rust (barley), Pathogenicity, Puccinia hordei, United States.

2690-67
PREDISPOSITION OF WHEAT BY ERYSIPHE GRAMMIS F. SP. TRITICI TO INFECTION WITH ERYSIPHE GRAMMIS F. SP. HORDEI.
J G Moseman L W Greeley
Phytopatholo 54(5):618
May 1964 464.8 P56
Erysiphe grammis f. sp. hordei, Erysiphe grammis f. sp. tritici, Wheat.

2691-67
VIRUSES OF LEGUMINOUS FORAGE CROPS IN RHODE ISLAND.
W C Mueller
Plant Dis R 49(9):750-752
Sep 1965 1.9 P69P
Forage plants, Legumes, Mosaic (alfalfa), Mosaic (white clover), Rhode Island, Yellow mosaic (beans).

2692-67
A NEW DISEASE OF MANGIFERA INDICA IN INDIA, CAUSED BY ALTERNARIA TENUISSIMA.
S K Mukherji S K Bhattacharya
Plant Dis R 49(5):405-407, TABS.
15 May 1965 1.9 P69P
Alternaria tenuissima, India, Mangoes.

2693-67
RUST ON TOBACCO DISCOVERED IN HONDURAS.
A S Muller H A Asegueda
Phytopatholo 54(5):499
May 1964 464.8 P56
Honduras, Rust (tobacco).

2694-67
COMPARATIVE INCIDENCE OF GRAYWALL AND INTERNAL BROWNING OF TOMATO AND SOURCES OF RESISTANCE.
H H Murakishi
Phytopatholo 50(6):408-412, BIBL. 412, TABS.
Jun 1960 464.8 P56
Graywall (tomatoes), Internal browning (tomatoes), Mosaic (tobacco), Tomatoes.

2695-67
A NECROTIC POD STREAK OF PEPPER CAUSED BY TOBACCO MOSAIC VIRUS.
H H Murakishi
Phytopatholo 50(6):464-466, PL.
Jun 1960 464.8 PS6
Mosaic (tobacco), Necrotic pod streak (pepper), Pepper.

2696-67
AN APPARENTLY NEW ROOT NECROSIS DISEASE OF RHUBARB.
H M Murakishi
Plant Dis R 44(3):186-188
15 Mar 1960 1.9 P69P
Necrosis, Rhubarb, Roots.

2697-67
GROWTH INHIBITION AND MORTALITY IN PAPAYA SEEDLINGS RESULTING FROM PAPAYA TISSUE INCORPORATED IN THE SOIL.
T Murashige M Aragaki J Kunisaki
Plant Dis R 48(1):8-11, TA8S.
15 Jan 1964 1.9 P69P
Papayas, Papayas, Plant growth inhibitors.

2698-67
A NEW LEAF SPOT OF CARDAMON FROM INDIA.
B N Muthappa
Plant Dis R 49(11):917
Nov 1965 1.9 P69P
Elettaria cardamomum, India, Leaf spot (Elettaria cardamomum), Zingiberaceae.

2699-67
STRUCTURE OF RICE LEAVES IN RELATION TO VARIETAL SUSCEPTIBILITY TO RICE BLAST, PIRICULARIA ORYZAE.
G A Nagdy M T Mahdy
Plant Dis R 49(2):170-172
15 Feb 1965 1.9 P69P
Blast (rice), Leaves, Piricularia oryzae, Rice.

2700-67
ROOT INOCULATION OF OIL PALM SEEDLINGS WITH GANODERMA SP.
S J Navaratnam C K Leong
Plant Dis R 49(12):1011-1013
Dec 1965 1.9 P69P
African oilpalm, Ganoderma, Immunization, Roots, Seedlings.

2701-67
SPECIES OF ELM ON THE UNIVERSITY OF ILLINOIS CAMPUS RESISTANT TO DUTCH ELM DISEASE.
D Neeley J C Carter
Plant Dis R 49(6):552
15 Jun 1965 1.9 P69P
Ceratocystis ulmi, Dieback (ulmus), Plant disease resistance, Ulmus, University of illinois.

2702-67
EFFECTIVENESS OF VAPAM IN PREVENTING ROOT GRAFT TRANSMISSION OF THE DUTCH ELM DISEASE FUNGUS.
D Neeley E B Himelick
Plant Dis R 49(2):106-108
15 Feb 1965 1.9 P69P
Ceratocystis ulmi, Dieback (ulmus), Insect vectors, Plant disease transmission, Plant grafting, Vapam.

2703-67
DETECTION OF CAULIFLOWER MOSAIC VIRUS BY IMMUNE ADHERENCE.
D S Nelson M F Day
Phytopatholo 54(4):395-398
Apr 1964 464.8 PS6
Cauliflower, Immune adherence, Mosaic (cauliflower), Virus serology.

2704-67
SOME PROBABLE RELATIONSHIPS OF SOIL FUNGI AND ZONE LINES TO SURVIVAL OF PORIA WEIRII IN BURIED WOOD BLOCKS.
E E Nelson
Phytopatholo 54(1):120-121
Jan 1964 464.8 P56
Poria weirii, Soil fungi, Soil sampling, Zone lines (wood).

2705-67
AN ANTAGONISTIC VARIANT OF CORYNEBACTERIUM INSIDIOSUM AND SOME PROPERTIES OF THE INHIBITOR.
G A Nelson G Semeniuk
Phytopatholo 54(3):330-335, PL.
Mar 1964 464.8 P56
Alfalfa, Corynebacterium insidiosum, Plant growth inhibitors, Wilt (alfalfa).

2706-67
METHODS FOR ESTIMATING NUMBERS OF RESTING SPORANGIA OF SYNCHYTRIUM ENDOBIOTICUM IN SOIL.
G A Nelson O A Nelson
Phytopatholo 54(2):185-186
Feb 1964 464.8 P56
Soil analysis, Sporangia, Synchytrium endobioticum.

2707-67
THE RELATIONSHIP OF MOSAIC VIRUS DISEASE TO CROWN BLIGHT OF CANTALOUP.
M R Nelson
Phytopatholo 54(4):460-465, BIBL. 464-465
Apr 1964 464.8 P56
Cantaloupes, Crown blight (cantaloupes), Mosaic (cantaloupes).

20 270B-67

270B-67
CARNATION AS A SYMPTOMLESS CARRIER OF FUSARIUM OXYSPORUM F. DIANTHI.
P E Nelson
Phytopatholo 54(3):323-329, TABS.
Mar 1964 464.B PS6
Dianthus caryophyllus, Dianthus caryophyllus, Fusarium oxysporium f. dianthi.

2709-67
THE PATHOGENICITY OF CERTAIN SPECIES OF HELMINTHOSPORIUM TO SPECIES OF THE GRAMINEAE.
R R Nelson D M Kline
Plant Dis R 45(B):644-64B
15 Aug 1961 I.9 P69P
Grasses, Helminthosporium, Pathogenesis.

2710-67
ONION SMUT CONTROL EXPERIMENTS WITH GRANULE FORMULATIONS IN GREENHOUSE AND FIELD.
A G Newhall J L Brann
Plant Dis R 44(4):269-272
IS Apr I960 I.9 P69P
Field crops, Granules, Greenhouses, Smut (onions).

2711-67
BLOSSOM BLIGHT AND GREEN FRUIT ROT OF ALMOND, APRICOT AND PLUM CAUSED BY BOTRYTIS CINEREA.
A G Newhall J L Brann
Plant Dis R 44(4):26S-26B
IS Apr 1960 1.9 P69P
Almonds, Apricots, Blossom blight (almonds), Blossom blight (apricots), Blossom blight (plums), Botrytis cinerea, Green fruit rot (apricots), Green fruit rot (plums), Plums.

2712-67
CONTROL OF BACTERIAL SCAB AND FUSARIUM CORM ROT OF GLADIOLUS.
L P Nichols
Plant Dis R 45(S):344-346
I5 May 196I I.9 P69P
Bacterial scab (gladiolus), Corm rot (gladiolus), Fusarium oxysporum f. gladioli, Pseudomonas marginata.

2713-67
2-N-ALKYLMERCAPTO-I,4,S,6-TETRAHYDROPYRIMIDINES, CHEMOTHERAPEUTIC AGENTS FOR PLANT RUSTS.
L G Nickell P N Gordon A Goenaga
Plant Dis R 4S(10):7S6-7SB, TABS.
IS Oct 196I I.9 P69P
Drug therapy, Rust (beans), Rust (canna), Rust (snapdragon), Rust (wheat), 2-n-alkylmercapto-I,4,S,6-tetrahydropyrimidine.

2714-67
RESISTANCE IN SWEETPOTATO TO THE INTERNAL CORK VIRUS.
L W Nielsen D T Pope
Plant Dis R 44(S):342-347
15 May 1960 I.9 P69P
Internal cork (sweetpotatoes), Plant disease resistance, Sweetpotatoes, Virus diseases (plants).

271S-67
DLISTER, A NEW DISEASE OF SWEETPOTATO.
L W Nielsen
Plant Dis R 49(2):97-101
15 Feb 196S 1.9 P69P
Blister, Sweetpotatoes.

2716-67
EVALUATION OF TWO SYSTEMIC INSECTICIDES APPLIED AS SEED TREATMENT FOR THE CONTROL OF MELOIDOGYNE INCOGNITA ACRITA ATTACKING COTTON.
E Nigh Jr
Plant Dis R 44(4):2BB-2B9
1S Apr 1960 1.9 P69P
Cotton, Insecticides, Meloidogyne incognita acrita, Seeds.

2717-67
NATURAL HOSTS OF CUCUMBER MOSAIC VIRUS IN ISRAEL.
F E Nitzany
Plant Dis R 44(2):I44
1S Feb 1960 I.9 P69P
Cucumbers, Host plants, Mosaic (cucumbers).

271B-67
DISTRIBUTION AND MOVEMENT OF PSOROSIS AND TRISTEZA VIRUSES IN CITRUS TREES.
F Nour-Eldin M T El-Banna
Int Organ Citrus Virol Pr 3RD:272-275
1963 464.06 INB2
Citrus, Psorosis (citrus), Tristeza (citrus).

2719-67
RING CALLUS AS A PATH FOR NON-GRAFT TRANSMITTED AEGLOPSIS CHEVALIERI VEIN-CLEARING VIRUS.
F Nour-Eldin M A Tolba M T El-Banna S El-Attar
Int Organ Citrus Virol Pr 3RD:280-2B4
1963 464.06 INB2
Aeglopsis chevalieri, Ring callus, Vein-clearing (citrus).

2720-67
THE INCIDENCE OF STEM ROTS IN TOBACCO TRANSPLANTS IN RELATION TO WIREWORM INJURY.
C J Nusbaum F E Guthrie R L Rabb
Plant Dis R 4S(3):22S-226
1S Mar 1961 1.9 P69P
Elateridae, Pythium spp., Sclerotium rolfsii, Stem rot (tobacco), Tobacco.

2721-67
HETEROGENEITY IN THE NORKA DIFFERENTIAL WHEAT VARIETY TO A NEW RACE OF ERYSIPHE GRAMINIS TRITICI.
W E Nyquist
Plant Dis R 44(2):126-12B
IS Feb I960 1.9 P69P
Erysiphe graminis tritici, Norka wheat, Powdery mildew (wheat), Wheat.

2722-67
GREENING DISEASE OF SWEET ORANGE IN SOUTH AFRICA.
P C J Oberholzer D F A von Standen W J Basson
Int Organ Citrus Virol Pr 3RD:2I3-2I9
1963 464.06 INB2
Greening disease, Sweet oranges.

2723-67
SOME FACTORS INFLUENCING INFECTION AND DISEASE DEVELOPMENT OF PHYTOPHTHORA PARASITICA DAST. ON TOMATO.
F C Obrero M Aragaki
Plant Dis R 49(4):327-331, TABS.
IS Apr 1965 1.9 P69P
Pathogenicity, Phytophthora parasitica Dast., Tomatoes.

2724-67
2,6-DICHLORO-4-NITROANILINE EFFECTIVE AGAINST RHIZOPUS FRUIT ROT OF SWEET CHERRIES.
J M Ogawa S D Lyda D J Weber
Plant Dis R 4S(B):636-63B
IS Aug 1961 I.9 P69P
Mazzard cherries, Rhizopus stolonifer, Rot (mazzard cherries), 2,6-dichloro-4-nitroaniline.

2725-67
RELATIVE PATHOGENICITY OF TWO BROWN ROT FUNGI, SCLEROTINIA LAXA AND SCLEROTINIA FRUCTICOLA, ON TWIGS AND BLOSSOMS.
J M Ogawa H English
Phytopatholo S0(7):SS0-SSB, BIBL. 557-SSB, TABS.
Jul 1960 464.B P56
Brown rot (apricots), Brown rot (cherries), Sclerotinia fructicola, Sclerotinia laxa.

2726-67
APHIDS AND THE EPIDEMIOLOGY OF BARLEY YELLOW DWARF VIRUS IN NEW BRUNSWICK.
G B Oriob
Plant Dis R 4S(6):466-469, BIBL. 469
15 Jun 1961 1.9 P69P
Aphididae, Insect vectors, New Brunswick, Yellow dwarf (barley).

2727-67
INFLUENCE OF SOME ENVIRONMENTAL FACTORS AND GROWTH SUBSTANCES ON THE DEVELOPMENT OF BARLEY YELLOW DWARF.
G B Oriob D C Arny
Plant Dis R 4S(3):192-195
1S Mar 196I I.9 P69P
Environment, Plant disease resistance, Yellow dwarf (barley).

272B-67
A PHOMOPSIS STEM BLIGHT OF YELLOW LUPINE (LUPINUS LUTEUS L.).
S A Ostazeski H D Wells
Plant Dis R 44(I):66-67
I5 Jan 1960 1.9 P69P
Fungus diseases (plants), Lupinus luteus L., Phomopsis, Stem blight (yellow lupine).

2729-67
VIRUS NATURE OF PENYAKIT MERAH DISEASE OF RICE IN MAYLAYSIA.
S H Ou C T Rivera S J Navaratnam K G Goh
Plant Dis R 49(9):778-782
Sep 1965 1.9 P69P
penyakit merah (rice), Maylasia, Rice, Virus diseases (plants).

2730-67
TESTS OF SOIL FUNGICIDES UNDER UNIFORM CONDITIONS FOR CONTROL OF COTTON DAMPING-OFF CAUSED BY RHIZOCTONIA SOLANI.
J H Owen
Phytopatholo 54(6):625-626
Jun 1964 464.8 P56
Chemical control (plant diseases), Damping-off (cotton), Rhizoctonia solani, Soil fungicides.

2731-67
OCCURRENCE OF PEACH TREE DECLINE IN GEORGIA IN 1965.
J H Owen W M Powell F F Hendrix Jr
Plant Dis R 49(10):859-860
Oct 1965 1.9 P69P
Decline (peaches), Georgia, Peaches.

2732-67
TWO NEW DISEASES OF SOAP-NUT TREE (SAPINDUS SPECIES) FROM INDIA.
H S Pal
Plant Dis R 49(3):263-264
15 Mar 1965 1.9 P69P
India, Sapindus emarginatus, Sapindus trifoliatus, Soap-nut tree.

2733-67
APPEARANCE OF TOBACCO BLUE MOLD IN ISRAEL.
J Palti H Younis
Plant Dis R 48(2):106
15 Feb 1964 1.9 P69P
Downy mildew (tobacco), Israel, Peronospora tabacina Adam, Tobacco.

2734-67
PROBLEMS OF PLANT DISEASE FORECASTING IN AN ARID CLIMATE.
J Palti
Plant Dis R 45(1):31-37
15 Jan 1961 1.9 P69P
Arid regions, Plant disease forecasting.

2735-67
THE PRESENT STATUS OF IMPIETRATURA, A CITRUS DISEASE, IN CYPRUS.
A Papasolomontos
Plant Dis R 49(2):111-113
15 Feb 1965 1.9 P69P
Citrus, Cyprus, Impletratura (oranges).

2736-67
THE OCCURRENCE OF PITS AND PROTUBERANCES IN THE XYLEM OF CITRUS VARIETIES IN ISRAEL.
J Patt W Hilier
Plant Dis R 49(11):936-939
Nov 1965 1.9 P69P
Citrus, Israel, Pitting disease (citrus), Xylem.

2737-67
HOST-PARASITE RELATIONSHIPS IN SUNFLOWER WILT INCITED BY SCLEROTINIA SCLEROTIORUM AS DETERMINED BY THE TWIN TECHNIQUE.
S H Pawlowski E J Hawn
Phytopatholo 54(1):33-35
Jan 1964 464.8 P56
Host indexing (plants), Sclerotinia sclerotiorum, Sunflowers, Wilt disease (sunflower).

2738-67
THE RELATIONSHIPS OF ENGLISH AND AMERICAN RACES OF PHYTOPHTHORA FRAGARIAE.
H S Pepin H A Daubeny
Phytopatholo 54(2):241
Feb 1964 464.8 P56
America, Biological races, England, Phytophthora fragariae.

2739-67
BACTERIAL SCAB OF TOMATO IN PUERTO RICO.
J E Perez
Plant Dis R 45(6):481
15 Jun 1961 1.9 P69P
Bacterial scab (tomatoes), Puerto Rico, Xanthomonas vesicatoria.

2740-67
BACTERIAL CANKER OF STONE FRUITS IN THE SOUTHEASTERN STATES.
D H Petersen W M Dowler
Plant Dis R 49(8):701-702
Aug 1965 1.9 P69P
Bacterial canker (fruit), Fruit, Pseudomonas syringae, Southeast.

2741-67
POLYPORUS SPP. ASSOCIATED WITH WOOD DECAY OF LIVING PEACH TREES IN SOUTH CAROLINA.
D H Petersen
Plant Dis R 45(3):186-189, 818L. 188-189
15 Mar 1961 1.9 P69P
Peaches, Polyporus, South Carolina, Wood decay.

2742-67
DECAY RESISTANCE OF EXTRACTIVE-FREE CONIFEROUS WOODS TO WHITE-ROT FUNGI.
C A Peterson E B Cowling
Phytopatholo 54(5):542-547
May 1964 464.8 P56
White-rot, Wood destroying fungi, Wood durability.

2743-67
CONTROL OF PHOMOPSIS BLIGHT OF EASTERN REDCEDAR SEEDLINGS.
G W Peterson D R Sumner C Norman
Plant Dis R 49(6):529-531
15 Jun 1965 1.9 P69P
Blight (eastern redcedar), Juniperus virginiana, Juniperus virginiana, Phomopsis juniperova Hahn.

2744-67
A FUSARIUM CANKER OF SOPHORA JAPONICA.
J L Peterson S H Davis Jr
Plant Dis R 49(10):835-836
Oct 1965 1.9 P69P
Canker (Sophora japonica), Fusarium lateritium Nees, Sophora japonica.

2745-67
STUDIES ON THE PREVALENCE AND COMPARATIVE PATHOGENICITY OF FUNGI ASSOCIATED WITH CORN STALK ROT.
J L Peterson
Plant Dis R 45(3):208-210
15 Mar 1961 1.9 P69P
Fusarium, Microorganisms, Stalk rot (corn).

2746-67
THE EFFECT OF VARIANTS OF DIAPORTHE PHASEOLORUM ON SOYBEAN GERMINATION AND GROWTH IN NEW JERSEY.
J L Peterson R F Strelecki
Plant Dis R 49(3):228-229
15 Mar 1965 1.9 P69P
Diaporthe phaseolorum, New Jersey, Seed germination, Soybeans.

2747-67
INFLUENCE OF NECROTIC RINGSPOT VIRUS ON GROWTH AND YIELD OF PEACH TREES.
T S Pine
Phytopatholo 54(5):604-605
May 1964 464.8 P56
Crop yields, Necrotic ring spot (peaches), Peaches, Trees, Viruses.

2748-67
PLUM RUSTY BLOTCH IN CALIFORNIA.
T S Pine
Plant Dis R 49(2):109-110
15 Feb 1965 1.9 P69P
California, Plums, Rusty blotch (plums).

2749-67
RIO OSO GEM PEACH SEEDLINGS AS INDICATOR HOSTS FOR THE PRUNUS RING SPOT VIRUS.
T S Pine H E Williams
Plant Dis R 44(5):324-325
15 May 1960 1.9 P69P
Cherries, Indicator hosts, Peaches, Ring spot (prunus), Seedlings.

2750-67
ASSOCIATION OF PHYTOPHTHORA CINNAMOMI WITH A DISEASE OF EUCALYPTUS MARGINATA FOREST IN WESTERN AUSTRALIA.
F D Podger R F Doepel G A Zentmyer
Plant Dis R 49(11):943-947
Nov 1965 1.9 P69P
Australia, Dieback (jarrah), Eucalyptus marginata,

20 2751-67

Phytophthora cinnamoni.

2751-67
THE INHIBITORY EFFECTS OF CERTAIN FUNGICIDE FORMULATIONS TO APPLE SCAB CONIDIA.
D Powell
Plant Dis R 44(3):176-178
15 Mar 1960 1.9 P69P
Apples, Fungicides, Scab (apples).

2752-67
ASSOCIATION OF PHYCOMYCETOUS FUNGI WITH PEACH TREE DECLINE IN GEORGIA.
W M Powell J H Gwen W A Campbell
Plant Dis R 49(4)279
15 Apr 1965 1.9 P69P
Fungi, Georgia, Peaches, Phytophthora spp., Pythium spp..

2753-67
INITIATION OF STRAWBERRY FRUIT ROT CAUSED BY BOTRYTIS CINEREA.
R L Powelson
Phytopathole 50(7):491-494
Jul 1960 464.8 P56
Botrytis cinerea, Rot (strawberries), Strawberries.

2754-67
GENETIC CONTROL OF THE HOST-PARASITE RELATIONSHIP IN WHEAT POWDERY MILDEW.
H R Powers Jr W J Sando
Phytopathole 50(6):454-457, TABS.
Jun 1960 464.8 P56
Parasitism, Plant genetics, Powdery mildew (wheat).

2755-67
FOMES ANNOSUS ON SLASH PINE IN THE SOUTHEAST.
H R Powers Jr J S Boyce Jr
Plant Dis R 45(4):306-307
15 Apr 1961 1.9 P69P
Fomes annosus, Pinus elliottii, Root rot (pinus elliottii), Thinning (trees).

2756-67
AN EVALUATION OF CYCLOHEXIMIDE (ACTI-DIONE) FOR CONTROL OF WHITE PINE BLISTER RUST IN THE SOUTHEAST.
H R Powers Jr W A Stegall Jr
Plant Dis R 49(4):342-346, TABS.
15 Apr 1965 1.9 P69P
Blister rust (pinus monticola), Cycloheximide, Southeast.

2757-67
A VIRUS-LIKE DISORDER OF MALVASIO TANGERINE ON ROUGH LEMON ROOTSTOCK.
A R Pujol
Int Organ Citrus Virol Pr 3RD:210-212
1963 464.06 IN82
Malvasio tangerine, Rough lemon.

2758-67
STRIPE-RUST HEAD INFECTION IN FIVE PACIFIC NORTHWEST WHEATS.
L H Purdy R E Allan
Plant Dis R 49(4):335-338
15 Apr 1965 1.9 P69P
Pacific Northwest, Puccinia striiformis, Stripe rust (wheat), Wheat.

2759-67
COMMON AND DWARF BUNTS, THEIR CHEMICAL CONTROL IN THE PACIFIC NORTHWEST.
L H Purdy
Plant Dis R 49(1):42-46
15 Jan 1965 1.9 P69P
Chemical control (plant diseases), Common bunt, Dwarf bunt, Pacific Northwest.

2760-67
A DODDER ON ST. JOHNSWORT AND IVY.
R D Raabe H E Thomas
Plant Dis R 49(12):1015
Dec 1965 1.9 P69P
Cuscuta approximata, Hedera helix, Hypericum calycinum.

2761-67
SOME PREVIOUSLY UNREPORTED HOSTS OF ARMILLARIA MELLEA IN CALIFORNIA.
R D Raabe
Plant Dis R 49(10):812
Oct 1965 1.9 P69P
Armillaria mellea, California, Plant hosts.

2762-67
FUNGICIDE TOLERANCE IN RHIZOCTONIA SOLANI INFLUENCED BY TEMPERATURE AND SERIAL TRANSFER IN FUNGICIDE-TREATED SOIL.
J B Raffray J B Sinclair
Plant Dis R 49(6):500-503
15 Jun 1965 1.9 P69P
Fungicides, Rhizoctonia solani, Serial transfer, Soil treatment, Temperature.

2763-67
WHITE ROT DISEASE OF ONION IN RELATION TO METHODS AND DATES OF INOCULATION, AND ITS INCIDENCE IN THE SEEDBED.
M M Ragab W A Warid A A El-Shehedi A A Ahmed
Plant Dis R 49(9):760-763, TABS.
Sep 1965 1.9 P69P
Immunization, Onions, Sclerotium cepivorum, Seedbeds, White rot (onions).

2764-67
A NEW SMUT OF LEMON GRASS FROM INDIA.
T Raghunath
Plant Dis R 49(11):916
Nov 1965 1.9 P69P
Cymbopogon citratus, India, Smut (Cymbopogon citratus).

2765-67
OBSERVATIONS ON NEW OR UNUSUAL DISEASES OF HIGHBUSH BLUEBERRY.
L C Raniere
Plant Dis R 45(11):844
15 Nov 1961 1.9 P69P
Blueberries, Crown rot (blueberries), Phytophthora, Plant injuries, Rainfall, Root rot (blueberries), Temperature.

2766-67
CONDITIONS FAVORABLE FOR ADSORPTION AND ELUTION OF TOBACCO MOSAIC VIRUS IN AN ECTEOLA-CELLULOSE COLUMN.
T E Rawlins
Plant Dis R 45(8):598
15 Aug 1961 1.9 P69P
Cellulose, Columns (process), Ecteola, Ion exchange, Mosaic (tobacco).

2767-67
CITRUS DECLINE IN SOUTH INDIA.
G S Reddy
Int Organ Citrus Virol Pr 3RD:225
1963 464.06 IN82
Citrus, India.

2768-67
OBSERVATIONS ON DECLINING SOUR ORANGE SEEDLING TREES IN SPAIN.
I Reichert O Ginsburg
Plant Dis R 45(12):945-948
15 Dec 1961 1.9 P69P
Decline (sour oranges), Seedlings, Sour oranges, Spain.

2769-67
TRANSLOCATION AND TITER INCREASE STUDIES OF THREE PEA VIRUS ISOLATES.
T P Reiling T H King
Plant Dis R 49(1):24-28
15 Jan 1965 1.9 P69P
Mosaic (peas), Peas, Plant translocation, Streak (peas), Titer increase.

2770-67
YELLOW MOTTLE DECLINE OF COCONUTS IN THE TERRITORY OF GUAM.
O A Reinking
Plant Dis R 45(8):599-604
15 Aug 1961 1.9 P69P
Coconuts, Copra, Guam, Kadang-kadang (coconuts).

2771-67
SEED TRANSMISSION OF COFFEE RING SPOT BY EXCELSA COFFEE (COFFEE EXCELSA).
T T Reyes
Plant Dis R 45(3):185
15 Mar 1961 1.9 P69P
Coffea excelsa, Plant disease transmission, Ring spot (coffee), Seed-borne plant diseases.

2772-67
INHERITANCE OF POWDERY MILDEW RESISTANCE IN THE GENUS CUCURBITA.
A M Rhodes
Plant Dis R 48(1):54-59
15 Jan 1964 1.9 P69P

Cucurbita, Powdery mildew (plants).

2773-67
INFECTIVITY DIFFERENCES BETWEEN OLPIDIUM FROM ROOTS OF SPINACH AND LETTUCE.
S Rich
Plant Dis R 44(S):353
15 May 196D 1.9 P69P
Lettuce, Olpidium, Spinach.

2774-67
EFFECT OF INSECTICIDE-FUNGICIDE COMBINATIONS ON EMERGENCE OF PEAS AND GROWTH OF DAMPING-OFF FUNGI.
L T Richardson
Plant Dis R 44(2):1D4-1D8
15 Feb 1960 1.9 P69P
Damping-off (peas), Fungicides, Insecticides, Peas.

2775-67
LEAFHOPPER TRANSMISSION OF TUNGRO DISEASE OF RICE.
C T Rivera S H Ou
Plant Dis R 49(2):127-131
15 Feb 196S 1.9 P69P
Insect vectors, Plant disease transmission, Rice,
Rice green leafhopper, Tungro.

2776-67
REACTION OF SESAME TO FUSARIUM WILT IN SOUTH CAROLINA.
G W Rivers J A Martin M L Kinman
Plant Dis R 49(S):383-385
1S May 196S 1.9 P69P
Sesame, South Carolina, Wilt (fusarium).

2777-67
THE OCCURRENCE AND TRANSMISSION OF MAIZE DWARF MOSAIC IN VIRGINIA.
C W Roane J L Troutman
Plant Dis R 49(8):66S-667
Aug 196S 1.9 P69P
Corn, Dwarf mosaic (maize), Plant disease transmission,
Plant hosts, Virginia.

2778-67
POSSIBLE SHIFT IN PREDOMINATING STRAINS OF BARLEY YELLOW DWARF VIRUS IN NEW YORK.
W F Rochow
Plant Dis R 49(8):687-691, TA8S.
Aug 196S 1.9 P69P
Aphididae, Barley, New York, Yellow dwarf (barley).

2779-67
VARIATION IN BARLEY YELLOW DWARF OF OATS IN NATURE.
W F Rochow H Jedlinski B F Coon H C Murphy
Plant Dis R 49(8):692-695
Aug 196S 1.9 P69P
Oats, Yellow dwarf (barley).

278D-67
NUCELLAR BAIANINHA ORANGE AS TOP IN A ROOTSTOCK-FERTILIZATION-SPACING EXPERIMENT.
O Rodriguez S Moriera
Int Organ Citrus Virol Pr 3RD:3D5-3D8
1963 464.06 INB2
Balaninha sweet oranges, Planting, Rootstock.

2781-67
OUTBREAK OF CURLY TOP IN COSTA RICA.
R A Rodriguez
Plant Dis R 4S(12):98D
15 Dec 1961 1.S P69P
Costa Rica, Curly top (tomatoes).

2782-67
DEVELOPMENTAL MORPHOLOGY OF HYPOXYLON PRUINATUM IN BARK OF QUAKING ASPEN.
J D Rogers J G Berbee
Phytopatholo 54(2):1S4-162, BIBL. 162, PL.
Feb 1964 464.B P56
Bark, Hypoxylon pruinatum, Morphology, Populus tremuloides,
Populus tremuloides.

2783-67
FACTORS AFFECTING THE SPREAD OF HOP DOWNY MILDEW IN AN ARID CLIMATE.
R R Romanko
Plant Dis R 49(3):247-2SD, TABS.
15 Mar 196S 1.9 P69P
Climate, Downy mildew (hops).

2784-67
SPORULATION AND COMPATIBILITY TYPES OF PHYTOPHTHORA PALMIVORA ISOLATED FROM COCOA IN MEXICO.
M Romero C.
Phytopatholo 54(5):5DD
May 1964 464.8 PS6
Cocoa, Mexico, Phytophthora palmivora.

278S-67
THE CITRUS BUDWOOD CERTIFICATION PROGRAM IN THE STATE OF SAO PAULO.
V Rosetti A A Salibe A F Cintra S Bonilha D Armbruster
Int Organ Citrus Virol Pr 3RD:23S-24D
1963 464.D6 INB2
Budwood certification program, Citrus, Sao Paulo.

2786-67
EXPERIMENTS ON HEATING BUDWOOD TO ELIMINATE EXOCORTIS VIRUS.
V Rossetti J T Nakadaira C Roessing
Int Organ Citrus Virol Pr 3RD:268-271
1963 464.D6 INB2
Budwood, Exocortis (citrus), Heat treatment,
Hot water heating.

2787-67
THE EFFECT OF WEATHER ON DISPERSAL OF ALTERNARIA SPORES IN A SEMI-ARID REGION OF ISRAEL.
J Rotem
Phytopatholo S4(6):628-632
Jun 196j 464.8 PS6
Alternaria, Arid regions, Israel, Spore dispersal, Weather.

2788-67
NUCLEI IN SPORES AND MYCELIUM OF VERTICILLIUM.
J N Roth W H Brandt
Phytopatholo S4(3):363-364, PL.
Mar 1964 464.B PS6
Cell nucleus, Hypha, Mycellium, Spores, Verticillium.

2789-67
DOWNY MILDEW ON SMALL GRAINS AND TWO OTHER GRASSES IN MISSISSIPPI, 1961.
P G Rothman D H Bowman
Plant Dis R 45(1D):764-765
15 Oct 1961 1.9 P69P
Downy mildew (barley), Downy mildew (common ryegrass),
Downy mildew (rye), Mississippi, Sclerophthora macrospora.

279D-67
CERCOSPORA PLUMERIAE CHUPP- A NEW REPORT FOR THE UNITED STATES.
H L Rubin
Plant Dis R 49(8):729
Aug 196S 1.9 P69P
Cercospora plumeriae Chupp, Plumeria acutifolia.

2791-67
POINSETTIA SCAB-A NEW REPORT FOR PUERTO RICO.
H L Rubin
Plant Dis R 45(5):37S
15 May 1961 1.9 P69P
Euphorbia pulcherrima, Puerto Rico, Scab (poinsettia),
Sphaceloma poinsettiae.

2792-67
SUSCEPTIBILITY OF NATIVE PIPER SPECIES TO THE COLLAR-ROT PATHOGEN OF BLACK PEPPER IN PUERTO RICO.
E G Ruppel N Almeydai
Plant Dis R 49(6):SSD-SS1
15 Jun 196S 1.9 P69P
Collar rot (Piper nigrum), Pepper (spice), Piper,
Puerto Rico.

2793-67
DUTCH ELM DISEASE IN ATLANTA, GEORGIA.
P L Rusden
Plant Dis R 49(9):8D1
Sep 196S 1.9 P69P
Ceratogytis ulmi, Dieback (ulmus), Georgia.

2794-67
CITRUS VIRUS DISEASES OF TRINIDAD, JAMAICA, AND BRITISH. honduras. I Hosein
Int Organ Citrus Virol Pr 3RD:228-231
1963 464.D6 INB2
British honduras, Citrus, Trinidad, Virus diseases (plants).

20 279S-67

2795-67
APPEARANCE OF ZONAL LEAF SPOT OF COFFEE CAUSED BY CEPHALOSPORIUM ZONATUM IN COSTA RICA.
A Salas E Echandi
Phytopatholo S4(S):500
May 1964 464.8 PS6
Cephalosporium zonatum, Costa Rica,
Zonal leaf spot (coffee).

2796-67
VARIOLA - A PROBABLE VIRUS DISEASE OF CITRUS.
A A Salibe S Moreira
Int Organ Citrus Virol Pr 3RD:207-209
1963 464.06 INB2
Citrus, Variola (citrus), Virus diseases (plants).

2797-67
DISTRIBUTION AND MOVEMENT OF EXOCORTIS VIRUS IN CITRUS TREES.
A A Salibe
Int Organ Citrus Virol Pr 3RD:276-279
1963 464.06 IN82
Citrus, Exocortis (citrus).

2798-67
TESTING CITRUS TREES FOR VIRUSES.
A A Salibe C Roessing
Int Organ Citrus Virol Pr 3RD:232-234
1963 464.06 IN82
Citrus, Virus diseases (plants).

2799-67
A DELAYED HARVEST TEST OF FUNGICIDE SPRAYS ON TOMATOES RESISTANT AND SUSCEPTIBLE TO FRUIT CRACKING.
R W Samson
Plant Dis R 45(7):539-541
15 Jul 1961 1.9 P69P
Anthracnose (tomatoes), Early blight (tomatoes), Fungicides, Gray leafspot (tomatoes), Plant disease resistance.

2800-67
STEM RUST RESISTANCE OF THE UKRAINE OAT AND DERIVATIVES.
J F Schafer R M Caldwell L E Compton F L Patterson
Plant Dis R 49(5):403-404
15 May 1965 1.9 P69P
Oats, Plant disease resistance, Puccinia graminis,
Stem rust (oats).

2801-67
TOXIN PRODUCTION AND PATHOGENICITY IN HELMINTHOSPORIUM VICTORIAE.
R P Scheffer R R Nelson R B Pringle
Phytopatholo S4(5):602-603
May 1964 464.8 PS6
Helminthosporium victoriae, Plant diseases, Toxins.

2802-67
THREE UNCOMMON WATERMELON FRUIT ROTS IN FLORIDA.
N C Schenck
Plant Dis R 45(11):841-843
15 Nov 1961 1.9 P69P
Cylindrocladium scoparium, Florida, Macrophomina,
Peliicularia rolfsii, Rot (watermelon), Watermelons.

2803-67
FUSARIAL HEAD BLIGHT , SERIOUS DISEASE OF WHEAT IN GUATEMALA.
E Schieber A Fumagalli
Plant Dis R 44(3):220
15 Mar 1960 1.9 P69P
Fusarium, Head blight (wheat), Scab (wheat), Wheat.

2804-67
SEPTORIA LEAF BLOTCH, IMPORTANT DISEASE OF WHEAT IN GUATEMALA.
E Schieber A Fumagalli
Plant Dis R 45(10):788
15 Oct 1961 1.9 P69P
Guatemala, Leaf blotch (wheat), Septoria tritici,
Triticum vulgare, Wheat.

2805-67
A FUNGAL COMPLEX ASSOCIATED WITH THE SUDDEN WILT SYNDROME IN CALIFORNIA COTTON.
W C Schnathorst
Plant Dis R 48(2):90-92
15 Feb 1964 1.9 P69P
California, Cotton, Thielaviopsis basicola,
Verticillium albo-atrum, Wilt (cotton).

2806-67
RELATION OF MICROCLIMATES TO THE DEVELOPEMENT OF POWDERY MILDEW OF LETTUCE.
W C Schnathorst
Phytopatholo 50(6):450-454, BIBL. 453-454, TABS.
Jun 1960 464.8 PS6
Lettuce, Microclimate, Powdery mildew (lettuce).

2807-67
PATHOGENICITY AND GROWTH RATES OF PHYTOPHTHORA DRECHSLERI ISOLATES FROM SAFFLOWER AND SUGARBEET.
C L Schneider D E Zimmer
Plant Dis R 49(4):293-296
15 Apr 1965 1.9 P69P
Pathogenicity, Phytophthora drechsleri, Safflower,
Sugar beets.

2808-67
DIFFERENCE IN THE TRANSLOCATABILITY OF TOBACCO RINGSPOT AND SOUTHERN BEAN MOSAIC VIRUSES IN BEAN.
I R Schneider
Phytopatholo 54(6):701-705, TABS.
Jun 1964 464.8 PS6
Plant translocation, Ring spot (tobacco),
Southern mosaic (beans).

2809-67
FUSICOCCUM CANKER OF MOUNTAIN ASH IN ILLINOIS.
D F Schoeneweiss
Plant Dis R 49(3):251-252
15 Mar 1965 1.9 P69P
Canker (sorbus aucuparia), Fusicoccum, Illinois,
Sorbus aucuparia.

2810-67
VERTICILLIUM WILT OF SAUCER MAGNOLIA, MAGNOLIA SOULANGEANA.
L R Schreiber C Fordyce Jr. R J Green Jr.
Plant Dis R 45(2):108
15 Feb 1961 1.9 P69P
Magnolia soulangeana, Saucer magnolia,
Verticillium albo-atrum, Wilt (saucer magnolia).

2811-67
RHIZOCTONIA FRUIT ROT OF PROCESSING TOMATOES.
W T Schroeder R Provvidenti
Plant Dis R 45(3):160-163
15 Mar 1961 1.9 P69P
Food processing, Rhizoctonia, Rot (tomatoes), Tomatoes.

2812-67
SEED EXUDATION AND ITS INFLUENCE ON PRE-EMERGENCE DAMPING-OFF OF BEAN.
M N Schroth R J Cook
Phytopatholo S4(6):670-673
Jun 1964 464.8 PS6
Beans, Damping-off (beans), Seeds.

2813-67
CORYNESPORA CASSIICOLA ON SOYBEAN IN ONTARIO.
W L Seaman R A Shoemaker
Plant Dis R 48(1):69
15 Jan 1964 1.9 P69P
Corynespora cassiicola, Ontario, Soybeans.

2814-67
THE PROBABLE COIDENTITY OF THE MORIA DISEASE OF PEAR TREES IN ITALY AND PEAR DECLINE IN NORTH AMERICA.
T A Shalla L Chiarappa E C Blodgett E Refatti E Baldacci
Plant Dis R 45(12):912-915
15 Dec 1961 1.9 P69P
Decline (pears), Italy, Moria (pears), North America, Pears.

2815-67
INHERITANCE AND LINKAGE OF STEM RUST AND LOOSE SMUT RESISTANCES AND STARCH TYPE IN BARLEY.
R G Shands
Phytopatholo S4(3):308-316, BIBL., 316, TABS.
Mar 1964 464.8 PS6
Barley, Loose smut (barley), Starches, Stem rust (barley).

2816-67
EFFECT OF PCNB ON ISOLATES OF RHIZOCTONIA SOLANI UNDER FIELD CONDITIONS.
M N Shatla J B Sinclair
Phytopatholo 54(6):626
Jun 1964 464.8 PS6
Land, Pentachloronitrobenzene, Rhizoctonia solani.

2817-67
EFFECT OF PENTACHLORONITROBENZENE ON RHIZOCTONIA SOLANI UNDER FIELD CONDITIONS.
M N Shatia J B Sinclair
Plant Dis R 49(1):21-23
1S Jan 1965 1.9 P69P
Pentachloronitrobenzene, Rhizoctonia solani.

2818-67
RHIZOCTONIA SOLANI: PHYSIOLOGIC SPECIALIZATION AMONG ISOLATES FROM COTTON.
M N Shatia J B Sinclair
Plant Dis R 49(8):711-714
Aug 1965 1.9 P69P
Cotton, Plant disease resistance, Rhizoctonia solani.

2819-67
SEED TRANSMISSION OF THE JOHNSON GRASS STRAIN OF THE SUGARCANE MOSAIC VIRUS IN CORN.
R J Shepherd Q L Holdeman
Plant Dis R 49(6):468-469
15 Jun 1965 1.9 P69P
Corn, Mosaic (sugarcane), Plant disease transmission, Seed-borne plant diseases, Sorghum halepense.

2820-67
PROPERTIES OF A MOSAIC VIRUS OF COWPEA AND ITS RELATIONSHIP TO THE BEAN POD MOTTLE VIRUS.
R J Shepherd
Phytopathole S4(4):466-473, 8I8L. 473, PL.
Apr 1964 464.8 PS6
Bean pod mottle, Cowpeas, Mosaic (cowpeas), Seed-borne plant diseases.

2821-67
EFFECT OF STRAINS OF THE BEET MOSAIC VIRUS ON THE YIELD OF SUGAR8EETS.
R J Shepherd B B Till
Plant Dis R 49(12):961-963
Dec 1965 1.9 P69P
Crop yields, Mosaic (sugar beets), Sugar beets.

2822-67
ORGANISM INTERACTIONS IN THE BEACH BARK DISEASE.
A L Shigo
Phytopathole S4(3):263-269, 8IBL. 268-269, PL.
Mar 1964 464.8 PS6
Beach bark disease, Fungus diseases (plants), Nectria.

2823-67
INFLUENCE OF VARIETY AND PRUNING ON NON-INFECTIOUS LEAF ROLL OF TOMATO.
M C Shurtleff J W Courter
Plant Dis R 48(1):18-20, TA8S.
1S Jan 1964 1.9 P69P
Leaf roll (tomato), Tomatoes.

2824-67
1964 SNAP 8EAN DISEASE SURVEY IN THE PACIFIC NORTHWEST.
M J Silbernagel
Plant Dis R 49(7):637
Jul 1965 1.9 P69P
Beans, Epidemiology, Pacific Northwest, Plant diseases.

2825-67
ARMILLARIA MELLEA ROOT ROT IN A NORTHERN WHITE PINE PLANTATION.
S B Silverborg R L Gilbertson
Plant Dis R 4S(S):389
1S May 1961 1.9 P69P
Armillaria mellea, Northern white pine, Pinus strobus, Root rot (pinus).

2826-67
PHYSIOLOGIC RACES OF CROWN RUST OF OATS IDENTIFIED IN 1960.
M D Simons L J Michel
Plant Dis R 4S(12):974-97S
1S Dec 1961 1.9 P69P
Crown rust (oats), Oats.

2827-67
EFFECTS OF EXOCORTIS DISEASE ON FOUR CITRUS ROOTSTOCKS.
J B Sinclair R T 8rown
Plant Dis R 44(3):180-183
1S Mar 1960 1.9 P69P
Citrus, Exocortis (citrus), Rootstocks.

2828-67
SPOTTED LEAF ROT OF PLANTS- A NEW SCLEROTIAL DISEASE.
U P Singh M S Pavgi
Plant Dis R 49(1):S8-59
1S Jan 196S 1.9 P69P
Sclerotium rolfsii Saccardo, Spotted leaf rot.

2829-67
PHLEOMYCIN, AN ANTIBIOTIC MARKEDLY EFFECTIVE FOR CONTROL OF BEAN RUST.
B C Smale M D Montgillion T G Pridham
Plant Dis R 4S(4):244-247
15 Apr 1961 1.9 P69P
Antibiotics, Phleomycin, Rust (beans), Uromyces phaseoli.

2830-67
RHIZOPUS ROT OF PEACHES AS AFFECTED BY POSTHARVEST TEMPERATURE AND MOISTURE.
W L Smith Jr T T McClure
Phytopathole S0(7):S58-562, BI8L. S61-562, TA8S.
Jul 1960 464.8 P56
Peaches, Plant temperature, Rhizopus stolinifer (Fr.), Rot (peaches), Soil moisture.

2831-67
WHEAT RUST DURING THE SPANISH ERA IN CALIFORNIA.
R E Smith J N Bowman
Plant Dis R 4S(8):632-633
15 Aug 1961 1.9 P69P
California, History, Rust (wheat).

2832-67
GRAPE MILDEW AS VIEWED IN THE EARLY AGRICULTURAL PRESS OF CALIFORNIA.
R E Smith
Plant Dis R 4S(9):700-703
15 Sep 1961 1.9 P69P
California, History, Powdery mildew (grapes).

2833-67
PEACH LEAF CURL AS VIEWED IN THE EARLY AGRICULTURAL PRESS OF CALIFORNIA.
R E Smith
Plant Dis R 4S(9:702-70S
1S Sep 1961 1.9 P69P
Ascomyces deformans, California, History, Leaf curl (peaches), Peaches.

2834-67
POTATO BLIGHT AS VIEWED IN THE EARLY AGRICULTURAL PRESS OF CALIFORNIA.
R E Smith
Plant Dis R 45(9):70S-709
1S Sep 1961 1.9 P69P
California, History, Late blight (potatoes), Potatoes.

2835-67
WHEAT RUST AS VIEWED IN THE EARLY AGRICULTURAL PRESS OF CALIFORNIA.
R E Smith
Plant Dis R 45(9):709-712
15 Sep 1961 1.9 P69P
California, History, Rust (wheat), Wheat.

2836-67
WHEAT SMUT AS VIEWED IN THE EARLY AGRICULTURAL PRESS OF CALIFORNIA.
R E Smith
Plant Dis R 4S(9):712-716
1S Sep 1961 1.9 P69P
California, History, Stinking smut (wheat), Wheat.

2837-67
O8SERVATIONS ON COTTON RUST (PUCCINIA STAKMANII) UNDER SEVERE DISEASE CONDITIONS.
T E Smith
Plant Dis R 44(2):77-79
1S Feb 1960 1.9 P69P
Puccinia stakmanii, Rainfall, Rust (cotton).

2838-67
CULTURAL TYPE OF VERTICILLIUM AL8O-ATRUM IN NEW MEXICO.
T E Smith
Plant Dis R 4S(7):548
1S Jul 1961 1.9 P69P
New Mexico, Plant hosts, Verticillium albo-atrum.

20 2839-67

2839-67
OCCURRENCE OF VERTICILLIUM WILT ON RUSSIAN WILT.
T E Smith
Plant Dis R 44(1):72
15 Jan 1960 1.9 P69P
Olives, Verticillium, Wilt (olives).

2840-67
REACTION OF ALFALFA TO VERTICILLIUM ALBO-ATRUM.
T E Smith
Plant Dis R 45(7):549
15 Jul 1961 1.9 P69P
Alfalfa, Plant disease resistance, Verticillium albo-atrum.

2841-67
PROMISING DECAY INHIBITORS FOR POSTHARVEST USE ON FLORIDA ORANGES.
J J Smoot
Plant Dis R 44(6):383-386
15 Jun 1960 1.9 P69P
Citrus, Fungicides, Oranges, Plant disease control.

2842-67
OAK LEAF AGE AND SUSCEPTIBILITY TO CRONARTIUM FUSIFORME.
G A Snow R W Roncadori
Plant Dis R 49(12):972-975
Dec 1965 1.9 P69P
Cronartium fusiforme, Leaves, Plant disease resistance, Plant senescence, Quercus nigra.

2843-67
ALTERNARIA LEAFSPOT OF PITTOSPORUM.
E K Sobers
Phytopatholo 54(4):478-480, PL.
Apr 1964 464.8 P56
Alternaria, Leaf spot (pittosporum), Pittosporum.

2844-67
THE USE OF FUNGICIDES IN THE CONTROL OF CERCOSPORA COFFEICOLA ON COFFEE.
C A Soto
Phytopatholo 54(5):501
May 1964 464.8 P56
Cercospora coffeicola, Coffee, Fungicides.

2845-67
CONTROLLING MILDEW ON APPLES AT WENATCHEE, WASHINGTON IN 1960.
R Sprague
Plant Dis R 45(2):106-107
15 Feb 1961 1.9 P69P
Apples, Fungicides, Mildew (apples), Washington.

2846-67
STEWART STRAIN OF BARTLETT PEAR SHOWS FIRE BLIGHT RESISTANCE.
R Sprague A Van Doren P Figaro
Plant Dis R 45(9):730
15 Sep 1961 1.9 P69P
Bartlett pears, Erwinia amylouora, Fire blight (pears), Plant disease resistance.

2847-67
LEPTOSPHAERIA HERPOTRICHOIDES ON RYE IN CLARK COUNTY, WASHINGTON.
R Sprague G W Bruehl
Plant Dis R 45(10):803
15 Oct 1961 1.9 P69P
Leptosphaeria herpotricholdes, Rye, Stem rot (rye), Washington.

2848-67
FIELD AND HOST STUDIES OF PARASITISM BY HELMINTHOSPORIUM SOROKINIANUM.
H W Spurr Jr R L Kiesling
Plant Dis R 45(12):941-943
15 Dec 1961 1.9 P69P
Barley, Beans, Helminthosporium sorokinianum, Parasitism, Tomatoes.

2849-67
DISTINGUISHING TISSUE OF NORMAL AND PATHOLOGICAL ORIGIN ON COMPLEX MEDIA.
H W Spurr Jr G E Holcomb A C Hildebrandt A J Riker
Phytopatholo 54(3):339-343, BIBL. 343, TABS.
Mar 1964 464.8 P56
Crown gall tumors, Oxidases, Stem tumors, Tissue analysis, Tissue culture, Tomatoes.

2850-67
SCLERODERRIS CANKER OF SUBALPINE FIR IN COLORADO.
J M Staley
Plant Dis R 49(10):882
Oct 1965 1.9 P69P
Abies lasiocarpa, Canker (Abies lasiocarpa), Colorado.

2851-67
DEVELOPMENT OF FUSARIUM WILT ON RESISTANT VARIETIES OF TOMATO CAUSED BY A STRAIN DIFFERENT FROM RACE 1 ISOLATES OF FUSARIUM OXYSPORUM F. LYCOPERSICI.
R E Stall
Plant Dis R 45(1):12-15
15 Jan 1961 1.9 P69P
Fusarium oxysporum f. lycopersici, Plant disease resistance, Wilt (tomatoes).

2852-67
AN EXTRACT PRODUCED BY HELMINTHOSPORIUM SOROKINIANUM TOXIC TO PUCCINIA GRAMINIS VAR. TRITICI.
D M Stewart J H Hill
Plant Dis R 49(4):284-283
15 Apr 1965 1.9 P69P
Extracts, Helminthosporium sorokinianum, Puccinia graminis var. tritici.

2853-67
FOMES ANNOSUS FOUND IN NEBRASKA.
J L Stewart
Plant Dis R 49(5):456
15 May 1965 1.9 P69P
Fomes annosus, Nebraska, Pinus.

2854-67
SOME CORN (MAIZE) VIRUS DISEASES IN THE UNITED STATES IN 1964.
W N Stoner
Plant Dis R 49(11):918-922, BIBL. 922
Nov 1965 1.9 P69P
Corn, United States, Virus diseases (plants).

2855-67
AN EVALUATION OF THE CUCURBITA FOR SCAB RESISTANCE.
D L Strider T R Konsler
Plant Dis R 49(5):388-391
15 May 1965 1.9 P69P
Cucurbita maxima, Cushaw, Plant disease resistance, Pumpkins, Scab (cucurbita).

2856-67
TIME OF INFECTION AND LATENCY OF DIPLODIA VITICOLA IN VITIS VINIFERA VAR. THOMPSON SEEDLESS.
G A Strobel W B Hewitt
Phytopatholo 54(6):636-639
Jun 1964 464.8 P56
Diplodia viticola, Vitis vinifera var. Thompson Seedless.

2857-67
METABOLISM OF ORGANIC ACIDS DURING ROT OF GRAPE BERRIES BY DIPLODIA VITICOLA.
G A Strobel T Kosuge
Phytopatholo 54(2):242-243
Feb 1964 464.8 P56
Acids, Diplodia viticola, Grapes, Metabolites, Organic compounds, Rot (grapes).

2858-67
FOMES ANNOSUS IN SOUTHWESTERN MICHIGAN.
F C Strong W A Lemmien
Plant Dis R 48(2):110
15 Feb 1964 1.9 P69P
Fomes annosus, Michigan, Pinus.

2859-67
RHIZOCTONIA STEM CANKER OF TOMATOES.
M C Strong
Plant Dis R 45(5):392
15 May 1961 1.9 P69P
Rhizoctonia solani Kuehn, Stem canker (tomatoes), Tomatoes.

2860-67
LEAF DROP OF TAXUS.
I H Stuckey
Plant Dis R 45(7):527-529
15 Jul 1961 1.9 P69P
Alternaria, Leaf drop (taxus), Taxus.

2861-67
FUNGI ASSOCIATED WITH DEFOLIATION OF TAXUS CUTTINGS.
I H Stuckey G J Stessel
Plant Dis R 44(2):133
15 Feb 1960 1.9 P69P
Defoliation, Fungi, Plant cuttings, Taxus.

2862-67
A LEAF-CRINKLING BACTERIUM OF SOYBEANS.
H Tachibana M Shih
Plant Dis R 49(5):396-397
15 May 1965 1.9 P69P
Bacterial diseases (plants), Crinkle leaf (soybeans), Soybeans.

2863-67
EFFECT OF SOME PLANT GROWTH-RETARDING COMPOUNDS ON THREE FUNGAL DISEASES AND ONE VIRAL DISEASE.
A S Tahori G Zeidler A H Halevy
Plant Dis R 49(9):775-777, TABS.
Sep 1965 1.9 P69P
Fungus diseases (plants), Mosaic (tobacco), Plant growth inhibitors, Powdery mildew, Southern stem rot, Stem rust (wheat), Virus diseases (plants).

2864-67
A CARNATION DISEASE RESEMBLING BACTERIAL SLOW WILT OR STUNT.
J Tammen P E Nelson R S Dickey
Phytopathole 54(5):610-611
May 1964 464.8 P56
Bacterial wilt (dianthus caryophyllus), Dianthus caryophyllus.

2B65-67
CONTROL OF PYTHIUM ROOT DISEASES WITH SOIL FUNGICIDES.
J Tammen D P Muse J H Haas
Plant Dis R 45(11):B5B-863, BIBL. B62-B63, TABS.
15 Nov 1961 1.9 P69P
Captan, Ferbam, Fungus diseases (plants), Pythium spinosum, Soil fumigation, Thiram, Zineb.

2B66-67
RESEARCHES ON THE INDICATOR PLANTS OF SATSUMA DWARF AND HASSAKU DWARF VIRUSES.
S Tanaka K Kishi S Yamada
Int Organ Citrus Virol Pr 3RD:260-267
1963 464.06 IN82
Hassaku dwarf, Indicator plants, Satsuma dwarf.

2867-67
EFFECT OF PHYTOACTIN ON THE FUSIFORM RUST FUNGUS, CRONARTIUM FUSIFORME.
W K Taylor J S Boyce Jr
Plant Dis R 49(8):698-701, TA85.
Aug 1965 1.9 P69P
Cronartium fusiforme, Fusiform rust (pinus), Phytoactin.

2B68-67
DOWNY MILDEW OF RICE IN ARKANSAS.
G E Templeton T H Johnston S E Henry
Plant Dis R 45(2):95
15 Feb 1961 1.9 P69P
Arkansas, Downy mildew (rice), Rice.

2B69-67
CONTROL OF CELERY EARLY BLIGHT AND BACTERIAL BLIGHT IN THE EVERGLADES WITH DYRENE COMBINATIONS.
P L Thayer
Plant Dis R 44(3):167-169
15 Mar 1960 1.9 P69P
Bacterial blight (celery), Bacterial diseases (plants), Celery, Dyrene, Early blight (celery).

2B70-67
THERMOTHERAPY FOR ROOT-KNOT NEMATODES, MELOIDOGYNE SPP., OF SWEETPOTATO AND TARRAGON PROPAGATING STOCKS.
I J Thomason S D Van Gundy H E McKinney
Plant Dis R 44(5):354-358
15 May 1960 1.9 P69P
Artemisia dracunculus, Meloidogyne spp., Nematodes, Sweetpotatoes, Thermotherapy.

2B71-67
A SAP-TRANSMISSABLE VIRUS ASSOCIATED WITH A NEW DISEASE OF CORN IN SOUTHERN ILLINOIS.
H H Thornberry M R Phillipe
Plant Dis R 49(3):210-212
15 Mar 1965 1.9 P69P
Corn, Illinois, Plant disease transmission, Sap, Virus diseases (plants).

2872-67
BACTERIAL CANKER AND SPOTTED WILT OF TOMATO IN THE WEST-CENTRAL GREAT PLAINS.
B D Thyr
Plant Dis R 49(5):3B6-387
15 May 1965 1.9 P69P
Bacterial canker (tomatoes), Great Plains, Spotted wilt (tomatoes), Tomatoes.

2873-67
OVERWINTERING OF WHEAT STRIATE MOSAIC VIRUS IN NORTH DAKOTA.
R G Timian
Plant Dis R 49(6):556
15 Jun 1965 1.9 P69P
Hibernation, North Dakota, Striate mosaic (wheat), Wheat.

2874-67
HEAT TREATMENTS FAIL TO INACTIVATE BARLEY STRIPE MOSAIC VIRUS IN SEED.
R G Timian
Plant Dis R 49(8):696-697
Aug 1965 1.9 P69P
Heat treatment, Stripe mosaic (barley).

2B75-67
VECTOR-VIRUS RELATIONSHIPS OF WATERMELON MOSAIC VIRUS AND THE GREEN PEACH APHID, MYZUS PERSICAE.
H H Toba
J Econ Entom 56(2):200-205
Apr 1963 421 J822
Insect vectors, Mosaic (watermelons), Myzus persicae, Watermelons.

2876-67
LONG TERM STORAGE OF THE SUGARCANE MOSAIC VIRUS.
E H Todd
Plant Dis R 45(3):17B-179
15 Mar 1961 1.9 P69P
Immunization, Mosaic (sugarcane), Storage, Virus diseases (plants).

2B77-67
CHOANEPHORA POD ROT OF COWPEAS.
R W Toler P D Dukes
Plant Dis R 49(4):347-350
15 Apr 1965 1.9 P69P
Choanephora cucurbitarum, Cowpeas, Pod rot (cowpeas).

2B7B-67
PROPERTIES AND TRANSMISSION OF SOIL-BORNE OAT MOSAIC VIRUS.
R W Toler T T Hebert
Phytopatholo 54(4):428-433
Apr 1964 464.8 P56
Mosaic (oats), Oats, Plant disease transmission, Soil-borne plant diseases.

2879-67
TRANSMISSION OF SOIL-BORNE OAT MOSAIC VIRUS INCREASED BY ARTIST S AIRBRUSH INOCULATION.
R W Toler T T Hebert
Plant Dis R 49(6):553-555
15 Jun 1965 1.9 P69P
Immunization, Mosaic (oats), Plant disease transmission, Soil-borne plant diseases.

2880-67
DECAY 10 YEARS AFTER THINNING OF SWEETGUM SPROUT CLUMPS.
E R Toole
Plant Dis R 49(12):9B6
Dec 1965 1.9 P69P
Liquidambar styraciflua, Plant decay, Thinning (trees), Wood decay.

2881-67
NEW SYCAMORE CANKER.
E R Toole
Plant Dis R 45(1):78
15 Jan 1961 1.9 P69P
Canker stain (platanus), Platanus, Platanus occidentalis.

2BB2-67
STATUS OF PERSIMMON WILT, 1959.
E R Toole P C Lightle
Plant Dis R 44(1):45
15 Jan 1960 1.9 P69P
Persimmons, Vascular wilt, Wilt (persimmon).

20 2883-67

2883-67
THE RELATION OF PLANT FERTILITY TO BACTERIAL SPOT OF PEPPER.
W W Townsley D F Crossan
Plant Dis R 45(11):874-876
15 Nov 1961 1.9 P69P
Bacterial spot (redpeppers), Fertility,
Xanthomonas vesicatoria.

2884-67
THE EXTRACTION OF VIRUSES FROM FRUIT TREE PETALS.
J H Tremaine W R Allen R S Willison
Plant Dis R 48(2):82-85
15 Feb 1964 1.9 P69P
Fruit, Fruit culture, Plant extracts, Viruses.

2885-67
POWDERY MILDEW OF POTATO IN UTAH.
M Treshow O S Cannon
Plant Dis R 45(5):354-355
15 May 1961 1.9 P69P
Potatoes, Powdery mildew (potatoes), Utah.

2886-67
ISOLATION AND IN VITRO CULTURE OF THE WHEAT BUNT FUNGI TILLETIA CARIES AND T. CONTROVERSA.
E J Trione
Phytopatholo 54(5):592-596
May 1964 464.8 PS6
Culture, Fungi, In vitro, Stinking smut (wheat),
Tilletia caries, Tilletia controversa.

2887-67
EXTRACELLULAR ENZYME AND TOXIN PRODUCTION BY FUSARIUM OXYSPORUM F. LINI.
E J Trione
Phytopatholo 50(7):480-482, BIBL. 481-482
Jul 1960 464.8 PS6
Enzymes, Flax, Fungus diseases (plants),
Fusarium oxysporum f. lini, Toxins, Wilt (flax).

2888-67
THE HCN CONTENT OF FLAX IN RELATION TO FLAX WILT RESISTANCE.
E J Trione
Phytopatholo 50(7):482-486, BIBL. 486, TABS.
Jul 1960 464.8 PS6
Flax, Fungus diseases (plants), Fusarium oxysporum f. lini,
Hydrocyanic acid, Wilt (flax).

2889-67
ELECTROTAXIS OF PHYTOPHTHORA PARASITICA ZOOSPORES AND ITS POSSIBLE ROLE IN INFECTION OF TOBACCO BY THE FUNGUS.
J L Troutman W H Wills
Phytopatholo 54(2):225-228, PL.
Feb 1964 464.8 PS6
Electrotaxis, Phytophthora parasitica, Tobacco, Zoospores.

2890-67
COMPARATIVE STUDY OF QUANTITATIVE METHODS USED FOR ESTIMATING THE POPULATION OF THIELAVIOPSIS BASICOLA IN SOIL.
P H Tsao A C Canetta
Phytopatholo 54(6):633-635
Jun 1964 464.8 PS6
Fungus population, Soil fungi, Thielaviopsis basicola.

2891-67
EFFECT OF CERTAIN FUNGAL ISOLATION AGAR MEDIA ON THIELAVIOPSIS BASICOLA AND ON ITS RECOVERY IN SOIL DILUTION PLATES.
P H Tsao
Phytopatholo 55(5):548-555, BIBL. 554-555, TABS.
May 1964 464.8 PS6
Agar, Culture media, Fungi, Soil dilution plates,
Thielaviopsis basicola.

2892-67
VIRUS DISEASES IN SALTO (URUGUAY).
J C Tucci R D Quinteia R P Mousques
Int Organ Citrus Virol Pr 3RD:220-222
1963 464.06 IN82
Uruguay, Virus diseases (plants).

2893-67
FUNGI ISOLATED FROM UNSTORED CORN SEED IN INDIANA IN 1956-1958.
J Tuite
Plant Dis R 45(3):212-215
15 Mar 1961 1.9 P69P
Corn, Fungi, Indiana, Seeds.

2894-67
POLYPHENOLOXIDASE ACTIVITY IN CACAO SELECTIONS SHOWING VARIABLE RESISTANCE TO PHYTOPHTHORA POD ROT.
P D Turner
Plant Dis R 49(4):319-321
15 Apr 1965 1.9 P69P
Cacao, Phenolases, Phytophthora palmivora,
Plant disease resistance, Pod rot.

2895-67
A WORLD SURVEY OF PHYTOPHTHORA PALMIVORA ON COCOA.
P D Turner
Plant Dis R 44(3):221
15 Mar 1960 1.9 P69P
Black pod (cacao), Cocoa, Phytophthora palmivora.

2896-67
BEHAVIOR OF PHYTOPHTHORA PALMIVORA IN SOIL.
P D Turner
Plant Dis R 49(2):135-137
15 Feb 1965 1.9 P69P
Phytophthora palmivora, Soil-borne plant diseases.

2897-67
FAILURE OF LOOSE SMUT TO BUILD UP IN WINTER WHEATS EXPUSED TO ABUNDANT INOCULUM NATURALLY DISSEMINATED.
L J Tyler
Plant Dis R 49(3):239-241
15 Mar 1965 1.9 P69P
Fungi dissemination, Immunization, Loose smut (wheat),
Ustilago tritici, Wheat.

2898-67
FUNGI OF BARLEY SEED AND THEIR ASSOCIATIVE EFFECTS.
L E Tyner B A McKinnon
Phytopatholo 54(5):506-508
May 1964 464.8 PS6
Barley, Fungi, Seeds.

2899-67
HOST RANGE AND TESTING OF LOTUS SPECIES FOR DISEASE RESISTANCE TO PHOMOPSIS BLIGHT OF BIRDSFOOT TREFOIL.
J Upadhyay
Plant Dis R 49(8):724-728, TABS.
Aug 1965 1.9 P69P
Birdsfoot trefoil, Blight (Lotus), Host indexing (plants),
Phomopsis loti, Plant hosts, Trefoil.

2900-67
CONTROL OF CONIFER DAMPING-OFF IN SOUTH AUSTRALIA.
O Vaartaja M Bumbieris
Plant Dis R 49(6):504-506
15 Jun 1965 1.9 P69P
Australia, Damping-off (Pinus radiata), Pinus radiata,
Seed treatment.

2901-67
SOME SOIL FACTORS INFLUENCING REPRODUCTION OF THE CITRUS NEMATODE AND GROWTH REDUCTION OF SWEET ORANGE SEEDLINGS.
S D Van Gundy J P Martin P H Tsao
Phytopatholo 54(3):294-299, BIBL. 298-299
Mar 1964 464.8 PS6
Citrus nematode, Nematodes, Oranges, Seedlings, Soils,
Tylenchus semipenetrans Cobb.

2902-67
FIELD RESISTANCE OF 29 ADDITIONAL STRAWBERRY VARIETIES AND SELECTIONS TO VERTICILLIUM, 1959.
E H Varney J N Moore D H Scott
Plant Dis R 44(5):370-371
15 May 1960 1.9 P69P
Plant disease resistance, Strawberries, Verticillium,
Wilt (strawberries).

2903-67
CHROMATOGRAPHIC PURIFICATION OF THE CARNATION RINGSPOT, CARNATION MOTTLE, AND TOBACCO NECROSIS VIRUSES.
J H Venekamp W H M Mosch K E Erkelens-Nanninga
Phytopatholo 54(5):608-609
May 1964 464.8 PS6
Chromatography, Mottle (carnations), Necrosis (tobacco),
Ring spot (carnations).

2904-67
CROWN GALL DISEASE IN ISRAEL.
Z Volcani
Plant Dis R 45(10):823
15 Oct 1961 1.9 P69P
Apricots, Crown galls (fruit), Israel, Prunus amygdalus,
Sunflowers, Tomatoes.

2905-67
A STAINING-FUNGUS ROOT DISEASE OF PONDEROSA, JEFFEREY, AND PINYON PINES.
W W Wagener J L Mielke
Plant Dis R 45(11):831-835
15 Nov 1961 1.9 P69P
Butt rot (trees), Pinus cembroides monophylla, Pinus jeffreyi, Pinus ponderosa, Verticiciadiella, Wood destroying fungi.

2906-67
THE OCCURRENCE OF APRICOT RING POX VIRUS IN PLUM IN CALIFORNIA.
H K Wagnon J R Breece J A Traylor H E Williams
Plant Dis R 45(10):796-797
15 Oct 1961 1.9 P69P
California, Plums, Ring pox (apricots), Ring pox (plums).

2907-67
CHEMICAL CONTROL OF WEATHER FLECK IN FLUE-CURED TOBACCO.
E K Walker
Plant Dis R 45(8):583-586
15 Aug 1961 1.9 P69P
Dichlone, Flue-cured tobacco, Fungicides, Weather fleck (tobacco).

2908-67
CABBAGE VARIETIES IN RELATION TO TIPBURN.
J C Walker L V Edgington M V Nayudu
Plant Dis R 45(1):29
15 Jan 1961 1.9 P69P
Cabbage, Calcium, Tipburn (cabbage).

2909-67
THE INHERITANCE OF POWDERY MILDEW RESISTANCE IN CABBAGE.
J C Walker P H Williams
Plant Dis R 49(3):198-201
15 Mar 1965 1.9 P69P
Cabbage, Plant disease resistance, Plant genetics, Powdery mildew (cabbage).

2910-67
A HIGH INCIDENCE OF DIAPORTHE PHASEOLORUM OCCURRING IN THE SEED OF SOYBEANS FROM SOUTHWESTERN ONTARIO.
V R Wallen
Plant Dis R 44(7):596
15 Jul 1960 1.9 P69P
Diaporthe phaseolorum, Ontario, Seeds, Soybeans.

2911-67
WEATHER MAP ANALYSIS - AN AID IN FORECASTING POTATO LATE BLIGHT.
J R Wallin J A Riley Jr
Plant Dis R 44(4):227-234
15 Apr 1960 1.9 P69P
Late blight (potatoes), Maps, Potatoes, Weather, Weather forecasting.

2912-67
TRANSMISSION OF BEAN POD MOTTLE VIRUS BY BEAN LEAF BEETLES.
H J Walters
Phytopatholo 54(2):240
Feb 1964 464.8 P56
Bean pods, Cerotoma trifurcata, Cerotoma trifurcata, Mottle (bean pods), Plant disease transmission.

2913-67
CYCLOHEXIMIDE FOR HAWTHORN LEAF SPOT.
G S Walton L V Edgington
Phytopatholo 54(2):129
Feb 1964 464.8 P56
Cycloheximide, Leaf spot (hawthorn), Plant disease control, Spraying, Tree diseases.

2914-67
SUGARCANE RUST IN TANGANYIKA.
D R W Watson
Plant Dis R 49(9):764
Sep 1965 1.9 P69P
Puccinia erianthi, Rust (sugarcane), Sugarcane, Tanganyika.

2915-67
PRODUCTION OF STERILE ONION BULBS AND ROOTS FOR THE PATHOGENICITY OF FUNGUS ISOLATES.
R D Watson J W Paden
Plant Dis R 45(3):176-177
15 Mar 1961 1.9 P69P
Fungus isolates, Onions, Sterilization.

2916-67
TRANSMISSION OF CITRUS VIRUSES BY DODDER, CUSCATA SUBINCLUSA.
L G Weathers M K Harjung
Plant Dis R 48(2):102-103
15 Feb 1964 1.9 P69P
Cuscuta subinclusa, Psorosis (oranges), Tristeza (citrus), Vein enation (citrus).

2917-67
A VIRUS LATENT IN SOME CUCURBITS.
R E Webb G W Bohn
Plant Dis R 45(9):677-679
15 Sep 1961 1.9 P69P
Latent virus (cucurbits).

2918-67
WATERMELON MOSAIC VIRUSES 1 AND 2 IN SOUTHERN AND WESTERN CUCURBIT PRODUCTION AREAS.
R E Webb G W Bohn H A Scott
Plant Dis R 49(6):532-535
15 Jun 1965 1.9 P69P
Cucurbitaceae, Mosaic (watermelons).

2919-67
SOURCES OF RESISTANCE TO THE COWPEA YELLOW MOSAIC VIRUS.
D G Wells R Deba
Plant Dis R 45(11):878-881, TABS.
15 Nov 1961 1.9 P69P
Cowpeas, Plant disease resistance, Vigna unguiculata, Yellow mosaic (cowpea).

2920-67
CUCUMBER MOSAIC VIRUS IS SEEDBORNE IN BLUE LUPINES.
H D Wells M K Corbett I Forbes Jr
Phytopathoio 54(6):627
Jun 1964 464.8 P56
Lupine, Seed-borne plant diseases.

2921-67
SEED-BORNE FUNGI IN GEORGIA-GROWN AND WESTERN-GROWN PEARL MILLET SEED ON SALE IN GEORGIA DURING 1960.
H D Wells E E Winstead
Plant Dis R 49(6):487-489
15 Jun 1965 1.9 P69P
Fungi, Georgia, Pearlmillet, Seed-borne plant diseases.

2922-67
DISTRIBUTION OF B STRAIN DOWNY MILDEW OF LIMA BEAN IN 1964.
R E Wester
Plant Dis R 49(5):447-448
15 May 1965 1.9 P69P
Downy mildew (lima beans), Epidemiology, Lima beans.

2923-67
EFFECT OF HOST COMPONENTS AND SUCROSE ON INFECTION BY POTATO YELLOW DWARF VIRUS.
R F Whitcomb R C Sinha
Phytopatholo 54(2):142-145, TABS.
Feb 1964 464.8 P56
Plant diseases, Sucrose, Viruses, Yellow dwarf (potatoes).

2924-67
A PHOMOPSIS CANKER ON WESTERN LARCH.
E F Wicker
Plant Dis R 49(2):102-105
15 Feb 1965 1.9 P69P
Canker (western larch), Larix occidentalis, Phomopsis pseudotsugae M. Wilson.

2925-67
EVALUATION OF BACTERICIDAL AND NON-BACTERICIDAL COMPOUNDS FOR CONTROL OF BACTERIAL SPOT OF PEPPER.
F J Wiebel D F Crossan D J Eieldhouse
Plant Dis R 49(9):748-750
Sep 1965 1.9 P69P
Bacterial spot (peppers), Bactericides, Xanthomonas vesicatoria.

2926-67
THE INFLUENCE OF GIBBERELLIC ACID ON SEEDLING BLIGHT OF CORN*
R D Wilcoxson T W Sudia
Plant Dis R 44(5):312-313
15 May 1960 1.9 P69P
Blight (corn), Corn, Gibberellic acid, Seedlings.

2927-67
TWIST DISEASE OF ORCHARDGRASS IN VIRGINIA.
A S Williams
Plant Dis R 48(2):119

20 2928-67

15 Feb 1964 1.9 P69P
Dactylis, Diiophospora alopecuri,
Twist (dactylis glomerata), Virginia.

2928-67
A HYPOCOTYL COLLAR ROT OF PHASEOLUS VULGARIS.
F J Williams
Plant Dis R 49(2):134
15 Feb 1965 1.9 P69P
Beans, Collar rot (beans), Hypocotyl, Kidney beans.

2929-67
METABOLIC STUDIES ON THE HOST-PARASITE COMPLEX OF ALBUGO CANDIDA ON RADISH.
P H Williams G S Pound
Phytopatholo 54(4):446-451
Apr 1964 464.8 P56
Albugo candida, Crucifers, Hosts, Parasites, Radishes, White rust (crucifers).

2930-67
DUTCH ELM DISEASE IN KANSAS IN 1964.
Wm G Willis C L Kramer H E Thompson
Plant Dis R 49(4):359
15 Apr 1965 1.9 P69P
Ceratocytis ulmi, Dieback (ulmus), Kansas.

2931-67
AUTUMN WEATHER IN RELATION TO SUBSEQUENT OCCURRENCE OF TOBACCO BLACK SHANK IN VIRGINIA.
W H Wills
Plant Dis R 48(1):32-34
15 Jan 1964 1.9 P69P
Black shank (tobacco), Virginia, Weather.

2932-67
PHYTOPHTHORA PARASITICA VAR. NICOTIANAE SPREAD BY OVERHEAD IRRIGATION.
W H Wills
Plant Dis R 48(1):35-37
15 Jan 1964 1.9 P69P
Black shank (tobacco), Irrigation,
Phytophthora parasitica var. nicotianae, Tobacco.

2933-67
CONSIDERATION OF THE USE OF PERSIMMON WILT AS A SILVICIDE FOR WEED PERSIMMONS.
C L Wilson
Plant Dis R 49(9):789-791
Sep 1965 1.9 P69P
Cephalosporium diospyri, Persimmons, Silvicides, Weeds, Wilt (persimmon).

2934-67
EPIDEMICS OF PINE NEEDLE RUST IN ARKANSAS.
C L Wilson
Plant Dis R 45(12):957, PL.
15 Dec 1961 1.9 P69P
Arkansas, Coleosporium vernoniae, Pine needle rust, Pinus taeda.

2935-67
SYSTEMIC INVASION OF THE HOST PLANT BY THE TUMOR-INDUCING BACTERIUM, PSEUDOMONAS SAVASTANOI.
E E Wilson A R Magie
Phytopatholo 54(5):576-579
May 1964 464.8 P56
Bacteria, Crown galls, Pseudomonas savastanoi.

2936-67
OILS REDUCE SPORULATION OF SEPTORIA ON CELERY.
J D Wilson
Plant Dis R 45(4):282-285
15 Apr 1961 1.9 P69P
Late blight (celery), Oils, Septoria apii.

2937-67
FUNGI ISOLATED FROM DISEASED LENTIL SEEDLINGS IN 1963-64.
V E Wilson J Brandsberg
Plant Dis R 49(8):660-662
Aug 1965 1.9 P69P
Fungi, Lentils, Root rot (lentils), Stem rot (lentils).

2938-67
MORPHOLOGY AND PHYSIOLOGY OF HELMINTHOSPORIUM VICTORIAE AND RELATED SPECIES.
V E Wilson H C Murphy
Phytopatholo 54(2):147-150
Feb 1964 464.8 P56
Helminthosporium victoriae, Plant morphology, Plant physiology.

2939-67
COREOPSIS FLOWER DROOP.
F A Wolf
Plant Dis R 49(12):964
Dec 1965 1.9 P69P
Coreopsis grandiflora,
Flower droop (Coreopsis grandiflora), Ornamental plants.

2940-67
THE ETIOLOGY OF AN ANNUAL CANKER ON MAPLE.
F A Wood J M Skelly
Phytopatholo 54(3):269-272, PL.
Mar 1964 464.8 P56
Acer, Acer, Canker (acer), Etiology.

2941-67
INEFFECTIVENESS OF CALCIUM NITRATE AND OTHER CALCIUM SOURCES IN REDUCING SOUTHERN BLIGHT INCIDENCE ON RUTGERS TOMATO UNDER EPIPHYTOTIC CONDITIONS.
R E Worley D J Morton
Plant Dis R 48(1):63-65
15 Jan 1964 1.9 P69P
Calcium nitrate, Epiphytes, Southern blight (tomatoes).

2942-67
GLOEOSPORIUM ROT OF STRAWBERRY FRUIT.
W R Wright M A Smith G B Ramsey L Beraha
Plant Dis R 44(3):212-213
15 Mar 1960 1.9 P69P
Gloeosporium, Rot (strawberries), Strawberries.

2943-67
OAK WILT IN NEBRASKA.
D S Wysong G W Peterson
Plant Dis R 49(3):269
15 Mar 1965 1.9 P69P
Nebraska, Wilt (quercus).

2944-67
SO-CALLED BEET LATENT VIRUS IS A BACTERIUM.
C E Yarwood E C Resconich P A Ark D E Schlegel K M Smith
Plant Dis R 45(2):85-89, BIBL. 89
15 Feb 1961 1.9 P69P
Bacterial diseases (plants), Beet latent virus,
Pseudomonas aptata.

2945-67
A MOBILE ASSAY OF TOBACCO NECROSIS VIRUS.
C E Yarwood
Plant Dis R 48(1):24-25
15 Jan 1964 1.9 P69P
Necrosis (tobacco), Tobacco.

2946-67
A NEW VIRUS DISEASE OF TOMATO FROM THE SUDAN.
A M Yassin M A Nour
Plant Dis R 49(7):599
Jul 1965 1.9 P69P
Condensed top (tomatoes), Sudan, Tomatoes,
Virus diseases (plants).

2947-67
THE NORTH AMERICAN 1965 SET OF SUPPLEMENTAL DIFFERENTIAL WHEAT VARIETIES FOR IDENTIFICATION OF RACES OF PUCCINIA RECONDITA TRITICI.
H C Young Jr L E Browder
Plant Dis R 49(4):308-311, TABS.
15 Apr 1965 1.9 P69P
Puccinia recondita tritici, Wheat.

2948-67
DWARFING OF SUMMER TOMATOES BY CREASE STEM.
P A Young
Plant Dis R 44(3):170-171
15 Mar 1960 1.9 P69P
Crease stem, Dwarfing, Tomatoes.

2949-67
PHYTOPHTHORA CANKER OF CACAO IN THE CAROLINE ISLANDS.
D Zaiger G A Zentmyer
Plant Dis R 49(7):565-567
Jul 1965 1.9 P69P
Cacao, Canker (cacao), Caroline Islands,
Pytophthora palmivora.

2950-67
ADDITIONAL HOSTS OF DIPLODIA TUMEFACIENS (SHEAR) ZALASKY (>MACROPHOMA TUMEFACIENS SHEAR).
H Zalasky
Plant Dis R 49(1):50
15 Jan 1965 1.9 P69P
Diplodia tumefaciens (Shear) Zalasky, Macrophoma tumefaciens Shear), Plant hosts.

2951-67
POWDERY MILDEW OF SAFFLOWER.
D E Zimmer
Plant Dis R 45(12):944
15 Dec 1961 1.9 P69P
Erysiphe, Powdery mildew (safflower), Safflower.

2952-67
SOURCES OF RUST RESISTANCE IN SAFFLOWER.
D E Zimmer L N Leininger
Plant Dis R 49(5):440-442
15 May 1965 1.9 P69P
Plant disease resistance, Puccinia carthami Cda., Rust (safflower), Safflower.

2953-67
VECTOR-VIRUS RELATIONSHIP OF SUGARCANE MOSAIC VIHUS. III. TRANSMISSION OF SUGARCANE MOSAIC VIRUS BY THE RUSTY PLUM APHID (HYSTERONEURA SETARIAE THOS.).
N Zummo L J Charpentier
Plant Dis R 49(10):827-829, TABS.
Oct 1965 1.9 P69P
Hysteroneura setariae, Insect vectors, Mosaic (sugarcane), Plant disease transmission, Sugarcane.

2954-67
SPECIES OF FUSARIUM FOUND ASSOCIATED WITH WILTING OF TOMATO VARIETIES RESISTANT TO F. OXYSPORUM IN ISRAEL.
A Z Joffe J Palti
Plant Dis R 49(9):741
Sep 1965 1.9 P69P
Fusarium oxysporum, Israel, Plant disease resistance, Tomatoes, Wilt (tomatoes).

Arthropods

2955-67
ESTIMATES OF THE NUMBERS OF HELIOTHIS LARVAE PER ACRE IN COTTON AND THEIR RELATION TO THE FRUITING CYCLE AND YIELD OF THE HOST.
P L Adkisson R L Hanna C F Bailey
J Econ Entom 57(5):657-663, TA8S.
Oct 1964 42I J822
Cotton, Crop yields, Insect population, Larvae.

2956-67
A STUDY OF THE EUROPEAN FRUIT LECANIUM SCALE, LECANIUM CORNI, ON PRUNE.
S F Bailey
J Econ Entom 57(6):934-938, TA8S.
Dec 1964 42I JB22
Lecanium corni, Prunes.

2957-67
TIMING OF INSECTICIDES APPLIED AS FOLIAR SPRAYS AND IN IRRIGATION WATER AGAINST CHILO SUPPRESSALIS IN KOREA.
Y H Bang B M Kae
J Econ Entom 57(5):706-710, TA8S.
Oct 1964 42I J822
Insecticide application, Insecticides, Irrigation, Korea, Spraying.

2958-67
RESISTANCE OF MOAPA ALFALFA TO THE SPOTTED ALFALFA APHID IN COMMERCIAL-SIZE FIELDS IN SOUTH-CENTRAL ARIZONA.
O L Barnes
J Econ Entom 56(1):84-85
Feb 1963 42I J822
Alfalfa, Arizona, Plant pest resistance, Therioaphis maculata.

2959-67
MICROBIAL AND CHEMICAL CONTROL OF HORNWORMS ATTACKING TOBACCO IN ONTARIO.
J A Begg
J Econ Entom 57(5):646-649, TABS.
Oct 1964 42I J822
Biological control (insects), Chemical control (insects), Ontario, Sphingidae, Tobacco.

2960-67
EVALUATION OF ETHYLENE CHLOROBROMIDE AS A FUMIGANT FOR CITRUS AND MANGOES INFESTED BY THE MEXICAN FRUIT FLY.
C A Benschoter
J Econ Entom 56(3):394-396
Jun 1963 42I J822
Anastrepha ludens, Bromochloroethane, Citrus, Fumigants, Mangoes.

2961-67
A NEW SPECIES BELONGING TO THE GENUS ANONAEPESTIS RAGNOT (LEPIDOPTERA, PHYCITINAE) ATTACKING BLACK PEPPER (PIPER NIGRUM) IN WEST AFRICA.
J D Bradley
Bull Entomol R 56(2):299-302, BIBL. 301-302
Dec 1965 42I B87
Africa, Pepper (spice), Piper nigrum.

2962-67
RESISTANCE OF SWEET CORN VARIETIES TO THE FALL ARMYWORM, LAPHYGMA FRUGIPERDA.
C H Brett R Bastida
J Econ Entom 56(2):162-167
Apr 1963 42I J822
Plant pest resistance, Spodoptera frugiperda, Sweetcorn.

2963-67
ETHYLENE DIBROMIDE WATER DIPS FOR DESTROYING FRUIT FLY INFESTATIONS OF QUARANTINE SIGNIFIGANCE IN PAPAYAS.
A K Burditt Jr J W Balock F G Hinman S T Sed
J Econ Entom 56(3):289-292
Jun 1963 42I JB22
Dipping, Ethylene dibromide, Hot water treatment (plants), Papayas, Tephritidae.

2964-67
THE EFFECT OF LATE SEASON INFESTATIONS OF THE STRAWBERRY SPIDER MITE, TETRANYCHUS ATLANTICUS, ON COTTON PRODUCTION.
T D Canerday F S Arant
J Econ Entom 57(6):931-933, TA8S.
Dec 1964 42I J822
Cotton, Tetranychus atlanticus.

2965-67
SOME ASPECTS OF INSECTICIDAL AND BIOLOGICAL CONTROL OF THE WOOLLY APPLE APHID, ERIOSOMA LANIGERUM (HSM.) IN RHODESIA.
A J M Carnegie
Bull Entomol R 56(2):269-274, BIBL. 273-274
Dec 1965 42I B87
Biological control (insects), Chemical control (insects), Eriosoma lanigerum, Rhodesia.

2966-67
VARIETAL RESISTANCE OF PEAS TO PEA APHID BIOTYPES UNDER FIELD AND GREENHOUSE CONDITIONS.
J J Cartier
J Econ Entom 56(2):205-213
Apr 1963 42I JB22
Acyrthosiphon pisum, Environment, Peas.

2967-67
EUROPEAN CORN BORER DAMAGE TO SWEET CORN AS AFFECTED BY THE DATE OF PLANTING.
H C Chiang A C Hodson
J Econ Entom 56(3):243-248
Jun 1963 42I JB22
Ostrinia nubilalis, Planting date, Sweetcorn.

2968-67
GRANULAR IN-FURROW TREATMENTS WITH PHORATE AND DI-SYSTON AGAINST THE PEA APHIDS IN PEAS.
H C Cook L Butler K C Walker P E Featherston

20 2969-67

J Econ Entom 56(1):95-98
Feb 1963 421 J822
Acyrthosiphon pisum, Disulfoton, Peas, Phorate,
Systemic insecticides.

2969-67
MIGRANT GREEN PEACH APHIDS AND THE SPREAD OF YELLOWS VIRUSES IN SEED BEET FIELDS OF ARIZONA.
D L Coudriet
J Econ Entom 57(6):939-940
Dec 1964 421 JB22
Arizona, Beets, Myzus persicae, Yellows (beets).

2970-67
CONTROL OF RED-BANDED LEAF ROLLER ON GRAPES.
J A Cox
J Econ Entom 56(1):86-88
Feb 1963 421 J822
Argyrotaenia velutinana, Grapes.

2971-67
THE SOUTHERN POTATO WIREWORM, A NEW PEST OF TOBACCO.
C S Creighton W S Kinard N Allen
J Econ Entom S6(3):292-294
Jun 1963 421 JB22
Insect pests, Southern potato wireworm, Tobacco.

2972-67
REACTION OF ALFALFA VARIETIES AND STRAINS TO ALFALFA WEEVIL.
J R Dogger C H Hanson
J Econ Entom 56(2):192-197
Apr 1963 421 JB22
Alfalfa, Hypera postica.

2973-67
THE INFLUENCE OF ENVIRONMENTAL STRESS ON THE CACAO TREE IN DETERMINING THE FEEDING SITES OF CACAO THRIPS, SELENOTHRIPS RUBROCINCTUS (GIARD), ON LEAVES AND PODS.
R G Fennah
Bull Entomol R 56(2):333-349, BIBL. 34B-349, TABS.
Dec 1966 421 BB7
Cacao, Cacao thrips, Environment, Plant introduction.

2974-67
EVALUATION OF POPULATIONS AND CONTROL OF THE WESTERN BEAN CUTWORM IN FIELD BEANS IN NEBRASKA.
A F Hagen
J Econ Entom 56(2):222-224
Apr 1963 421 JB22
Beans, Chemical control (insects), Insect population,
Insecticides, Loxagrotis albicosta, Nebraska.

2975-67
CONTROL OF THE CLOVER ROOT BORER IN NEW YORK.
D D Hardee H Y Forsythe Jr G G Gyrisco
J Econ Entom S7(4):5B5-5B6
Aug 1964 421 J822
Hylastinus obscurus, New york.

2976-67
INFLUENCE OF TEMPERATURE AND HUMIDITY ON RESISTANCE IN ALFALFA TO THE SPOTTED ALFALFA APHID AND PEA APHID.
A Isaak E L Sorenson E E Ortman
J Econ Entom 56(1):S3-57
Feb 1963 421 J822
Acyrthosiphon pisum, Alfalfa, Humidity,
Plant pest resistance, Temperature, Therioaphis maculata.

2977-67
LATE SEASON CONTROL OF BAGWORMS.
S W Jacklin F F Smith
J Econ Entom 57(S):76B
Oct 1964 421 JB22
Thyridopteryx ephemeraeformis.

2978-67
A TECHNIQUE FOR MEASURING CERTAIN ASPECTS OF ANTIBIOSIS IN COTTON TO THE BOLL WEEVIL.
J N Jenkins F G Maxwell W L Parrot
J Econ Entom 57(5):679-6B1
Oct 1964 421 JB22
Anthonomus grandis, Antibiosis, Cotton.

2979-67
INSECTICIDES TESTED FOR CONTROL OF THE DOUGLAS-FIR CONE MIDGE.
N E Johnson
J Econ Entom 56(2):236-237
Apr 1963 421 J822
Douglas-fir cone midge, Insecticides.

2980-67
RELATION OF INSECTS TO INTERNAL CORK OF SWEET POTATO IN LOUISIANA.
E J Kantack W J Martin L D Newsom
Phytopatholo 50(6):447-449
Jun 1960 464.B PS6
Cork, Insects, Louisiana, Sweet potatoes.

2981-67
SCHEDULING INSECTICIDE APPLICATIONS FOR PEACH TREE BORER CONTROL.
D R King
J Econ Entom S6(3):270-272
Jun 1963 421 J822
Insecticide application, Peaches, Sanninoidea exitiosa.

2982-67
TIMING OF TREATMENTS FOR CONTROL OF THE ALFALFA WEEVIL IN NORTHERN CALIFORNIA.
C S Koehler V E Burton
J Econ Entom S7(S):7S0-753, TABS.
Oct 1964 421 J822
California, Hypera postica, Insecticide application.

2983-67
HOJA BLANCA VIRUS TRANSMISSION TO RICE PLANTS BY VIRULIFEROUS VECTORS.
H A Lamey R D Hendrick T H Everett W B Showers
Phytopatholo S4(6):624
Jun 1964 464.B P56
Hoja blanca (rice), Insect vectors,
Plant disease transmission.

2984-67
SILK BALLING AND OTHER FACTORS ASSOCIATED WITH RESISTANCE OF CORN TO CORN EARWORM.
W H Luckmann A M Rhodes E V Wann
J Econ Entom 57(5):77B-779
Oct 1964 421 J822
Corn, Heliothis zea, Plant pest resistance, Silk balling.

2985-67
RATING DENT CORN FOR RESISTANCE TO RICE WEEVILS.
KIRK, V M.
A Manwiller
J Econ Entom 57(6):BS0-BS2
Dec 1964 421 JB22
Corn, Plant pest resistance, Sitophilus oryzae.

2986-67
CHEMICAL CONTROL OF THE BEET WEBWORM ON SUGAR BEETS IN SOUTHERN ALBERTA.
S McDonald
J Econ Entom S6(3):248-251
Jun 1963 421 JB22
Alberta, Canada, Chemical control (insects),
Loxostege sticticalis, Sugar beets.

2987-67
EARLY DETECTION OF HELIOTHIS ON COTTON.
W J Mistric Jr
J Econ Entom 57(6):BS8-B59
Dec 1964 421 JB22
Cotton, Insect outbreak forecasting.

2988-67
CONTROL OF SPIDER MITES ON COTTON.
W J Mistric Jr
J Econ Entom 57(6):B55-B57
Dec 1964 421 JB22
Cotton, Tetranychidae.

2989-67
SENSITIVITY OF BACTERIAL ISOLATES FROM EGGS OF APHIS POMI TO ERWINIA AMYLOVORA BACTERIOPHAGES.
J W Neal Jr W R Enns R N Goodman
J Econ Entom 57(6):B31-B32
Dec 1964 421 JB22
Bacteriophages, Erwinia amylovora (Burrill), Insect eggs.

2990-67
ALFALFA WEEVIL CONTROL BY STUBBLE TREATMENT.
R E Pfadt R J Lavigne
J Econ Entom 57(6):996-997
Dec 1964 421 JB22
Hypera postica, Stubble.

2991-67
CONTROL OF POTATO APHIDS WITH SYSTEMIC INSECTICIDES.
D D Pond
J Econ Entom 561(2):227-230
Apr 1963 421 JB22
Macrosiphum euphorbiae, Potatoes, Systemic insecticides.

2992-67
INDIVIDUAL COLONY CONTROL OF THE WESTERN HARVESTER ANT, POGONOMYRMEX OCCIDENTALIS.
S R Race
J Econ Entom 57(6):860-864, TA8S.
Dec 1964 421 J822
Ant colonies, Pogonomyrmex occidentalis.

2993-67
SYSTATES EXAPTUS MSHL. (COL., CURCULIONIDAE) AND RELATED SPECIES AS SOIL PESTS OF MAIZE IN RHODESIA.
D J W Rose C J Hodgson
Bull Entomol R 56(2):303-318, TA8S.
Dec 1965 421 8B7
Corn, Parasitic insects, Rhodesia.

2994-67
SEASONAL DEVELOPMENT OF FOLIAGE INFESTATIONS OF GRAPE IN ONTARIO BY PHYLLOXERA VITIFOLIAE (FITCH) (HOMOPTERA: PHYLLOXERIDAE.
A B Stevenson
Can Entom 98(12):1299-1305
Dec 1966 421 C16
Grapes, Ontario.

2995-67
INSECTICIDES FOR THE CONTROL OF THE GREEN PEACH APHID ON SHADE-GROWN TOBACCO.
W B Tappan
J Econ Entom 56(1):34-40
Feb 1963 421 JB22
Insecticides, Myzus persicae, Tobacco.

2996-67
EFFECT OF WINTER BURNING ON SOME PESTS OF ALFALFA.
H H Tippins
J Econ Entom 57(6):1003-1004
Dec 1964 421 J822
Alfalfa, Winter burning.

2997-67
CONTROL IN THE PINK BOLLWORM AND A METHOD FOR ESTIMATING LOSSES IN COTTON YIELD.
C H Tsao W L Lowry
J Econ Entom 56(2):158-160
Apr 1963 421 J822
Cotton, Crop yields, Pectinophora gossypiella.

2998-67
INSECTICIDAL CONTROL OF FIRST-INSTAR PINK BOLLWORM LARVAE AND OBSERVATIONS OF THEIR DISPERSAL ON COTTON PLANTS.
C H Tsao W L Lowry
J Econ Entom 56(3):370-372
Jun 1963 421 J822
Cotton, Insecticides, Larvae, Pectinophora gossypiella.

2999-67
DEVELOPMENT OF POPULATION OF THE BOLL WEEVIL IN FIELDS TREATED WITH VARIOUS INSECTICIDES DURING 1959, 1960, AND 1961.
J K Walker Jr R L Hanna
56(3):350-356
Jun 1963
Anthonomus grandis, Insect population, Insecticides.

3000-67
EFFECTS OF HYPERA NIGRIROSTRIS, HYLASTINUS OBSCURUS, AND SITONA HISPIDULA POPULATIONS ON RED CLOVER IN SOUTHWESTERN IDAHO.
N D Waters
J Econ Entom 57(6):907-910, BIBL. 910
Dec 1964 421 J822
Idaho, Red clover.

3001-67
CONTROL OF THE PEAR RUST MITE, EPITRIMERUS PYRI.
P H Westigard D W Berry
J Econ Entom 57(6):953-955, TA8S.
Dec 1964 421 J822
Epitrimerus pyri.

3002-67
RED SPIDER MITE CONTROL ON ROSES IN FLORIDA.
D O Wolfenbarger
J Econ Entom 57(6):1000-1002, TABS.
Dec 1964 421 JB22
Florida, Rosa, Tetranychus urticae.

3003-67
THE USE OF SYSTEMIC INSECTICIDES FOR CONTROL OF THE POTATO LEAFHOPPER, EMPOASCA FABAE, AND EFFECT ON POTATO YIELD.
H B Wressell G R Driscoll
J Econ Entom 57(6):992-993
Dec 1964 421 JB22
Crop yields, Empoasca fabae, Potatoes, Systemic insecticides.

3004-67
CONTROL OF THE WALNUT APHID AND CODLING MOTH ON WALNUTS IN NORTHERN CALIFORNIA.
H F Madsen L A Falcon T T Y Wong
J Econ Entom 57(6):950-952, TABS.
Dec 1964 421 JB22
California, Carpocapsa pomonella, Chromaphis juglandicola, Walnuts.

Parasites

3005-67
TEMPERATURE AND THE QUANTITATIVE RECOVERY OF NEMATODES WITH A MODIFIED BAERMANN FUNNEL.
R E Adams
Plant Dis R 49(B):662-664
Aug 1965 1.9 P69P
Baermann funnel, Nematodes, Soil microbiology, Soil sampling (nematodes), Temperature.

3006-67
CONTROL OF ROOT-LESION NEMATODE, PRATYLENCHUS PENETRANS, ON NARCISSUS.
W J Apt C J Gould
Plant Dis R 45(4):290-295
15 Apr 1966 1.9 P69P
Plant nematodes, Pratylenchus penetrans, Root rot (narcissus), Soil fumigation.

3007-67
LONG-TERM INHIBITION OF RHIZOCTONIA SOLANI BY A NEMATOCIDE, 1,2-DIBROMO-3-CHLOROPROPANE.
L J Ashworth Jr B C Langley W H Thames Jr
Phytopatholo 54(2):187-191, TABS.
Feb 1964 464.8 P56
Nematode inhibition, Rhizoctonia solani, 1,2-dibromo-3-chloropropane.

3008-67
PERFORMANCE OF CERTAIN NEMATOCIDES AND NEMATOCIDE-FERTILIZER MIXTURES APPLIED TO VEGETABLE CROPS IN NORTH CAROLINA.
R Aycock J N Sasser
Plant Dis R 45(B):620-624
15 Aug 1961 1.9 P69P
Fertilizers, Nematocides, North Carolina, Okra, Tomatoes, Vegetables, 1,2-dibromo-3-chloropropane.

3009-67
PRATYLENCHUS ZEAE FOUND ON CORN, MILO, AND THREE SUSPECTED NEW HOSTS IN CALIFORNIA.
S M Ayoub
Plant Dis R 45(12):940
15 Dec 1961 1.9 P69P
California, Corn, Cynodon dactylon, Echinochloa crus-galli, Milo, Pratylenchus zeae, Soil sampling, Tribulus terrestris.

3010-67
SUSCEPTIBILITY OF SOME SPECIES AND VARIETIES OF CITRUS AND SOME OTHER RUTACEOUS PLANTS TO THE CITRUS NEMATODE.
R C Baines W P Bitters O F Clarke
Plant Dis R 44(4):281-285
1S Apr 1960 1.9 P69P
Citrus, Nematodes, Plant nematode resistance, Rutaceous plants.

3011-67
NEMATODES ASSOCIATED WITH THE DECLINE OF AZALEAS IN WISCONSIN.
K R Barker G L Worf A H Epstein
Plant Dis R 49(1):47-49
1S Jan 196S 1.9 P69P
Azaleas, Plant nematodes, Wisconsin.

3012-67
NEW COMBINATIONS OF NEMATOCIDES FOR CONTROL OF RENIFORM NEMATODE OF COTTON.
W Birchfield J A Pinckard
Phytopatholo 54(4):393-394, TABS.
Apr 1964 464.B PS6
Cotton, Nematocides, Reniform nematodes.

3013-67
OCCURRENCE, PARASITISM, AND PATHOGENICITY OF NEMATODES ASSOCIATED WITH CRANBERRY.
G W Bird W R Jenkins
Phytopatholo S4(6):677-680, TABS.
Jun 1964 464.8 PS6
Cranberries, Parasitism, Plant nematodes.

3014-67
EFFECT OF CRANBERRY BOG FLOODING AND LOW DISSOLVED OXYGEN CONCENTRATIONS ON NEMATODE POPULATIONS.
G W Bird W R Jenkins
Plant Dis R 49(6):SI7-S1B
IS Jun 196S 1.9 P69P
Cranberry bogs, Nematode control, Nematodes, Oxygen.

3015-67
RESPONSE OF NICOTIANA REPANDA, N. SYLVESTRIS, AND THEIR AMPHIDIPLOID HYBRID TO ROOT-KNOT NEMATODES.
L G Burk V H Dropkin
Plant Dis R 4S(9):734-73S
IS Sep 196I I.9 P69P
Meloidogyne, Nicotiana repanda, Nicotiana sylvestris, Root-knot nematode, Tobacco.

3016-67
EFFECT OF CLOVER CYST NEMATODE ON GROWTH OF RED AND WHITE CLOVER.
R A Chapman
Phytopatholo S4(4):417-41B, TABS.
Apr 1964 464.B P56
Clover cyst nematode, Red clover, White clover.

3017-67
CITRUS NEMATODE ON AMERICAN PERSIMMON IN ISRAEL.
E Cohn G Minz
Plant Dis R 4S(7):S0S
1S Jul 1961 1.9 P69P
American persimmon, Chlorosis (citrus), Citrus nematode, Israel, Persimmons, Plant nematodes, Tylenchulus semipenetrans Cobb.

301B-67
ATTEMPTS TO IMPROVE THE GROWTH OF RADOPHOLUS SIMILIS-INFECTED CITRUS WITH UNDER-TREE DRENCHES OF ZINOPHOS.
R J Collins A W Feldman
Plant Dis R 49(10):B6S-B67
Oct 1965 1.9 P69P
Citrus, Plant physiology, Radopholus similus, Zinophos.

3019-67
STUDIES OF THE HOST RANGE OF MELOIDOGYNE INCOGNITA ACRITA.
H W Crittenden
Plant Dis R 4S(3):I90-191
15 Mar 1961 1.9 P69P
Meloidogyne incognita acrita, Plant nematodes, Root-knot nematodes.

3020-67
SEASONAL POPULATION VARIATIONS OF PRATYLENCHUS PENETRANS IN AND ABOUT STRAWBERRY ROOTS.
A A Di Edwardo
Plant Dis R 45(I):67-7I
1S Jan 1961 1.9 P69P
Plant nematodes, Pratylenchus penetrans, Strawberries.

3021-67
EFFECTS OF SEED INOCULATION, SOIL FUMIGATION, AND CROPPING SEQUENCES ON NODULATION OF SOYBEANS GROWN IN SOYBEAN-CYST-NEMATODE-INFESTED SOIL.
J M Epps A Y Chambers
Phytopatholo S2(1):9
Jan 1962 464.B P56
Crop rotation, Nodules (plants), Seed treatment, Soil fumigation, Soybeans.

3022-67
BEHAVIOR OF POPULATIONS OF HETERODERA GLYCINES UNDER VARIOUS CROPPING SEQUENCES IN FIELD BINS.
J M Epps A Y Chambers
Phytopatholo S4(6):622
Jun 1964 464.B PS6
Crop yields, Heterodera glycines, Nematode population.

3023-67
NEMATOCIDAL SEED TREATMENT FOR CONTROL OF HETERODERA GLYCINES IN SOYBEANS.
J M Epps A Y Chambers
Phytopatholo S4(6):622
Jun 1964 464.B PS6
Heterodera glycines, Nematocides, Seed treatment, Soybeans.

3024-67
OBSERVATIONS ON THE DEVELOPMENTAL STAGES OF HEMICRICONEMOIDES CHITWOODI.
G Fassuliotis
Phytopatholo S2(I):9
Jan 1962 464.B PS6
Hemicriconemoides chitwoodi Esser, Nematode morphology.

302S-67
PATHOGENICITY AND POPULATION DYNAMICS OF PARATYLENCHUS HAMATUS ON MENTHA SPP.
L R Faulkner
Phytopatholo 54(3):344-34B, TABS.
Mar 1964 464.B PS6
Mentha spp., Nematode population, Paratylenchus hamatus, Pathogenicity.

3026-67
SUGAR-INDUCED OSMOTIC DEHYDRATION OF NEMATODES ENHANCED BY THE ADDITION OF DETERGENTS.
W A Feder J L Eichhorn P C Hutchins
Phytopatholo S2(I):9
Jan 1962 464.B PS6
Dehydration (physiological), Detergents, Nematodes.

3027-67
OCCURRENCE OF PLANT-PARASITIC NEMATODES IN CITRUS BLIGHT AREAS.
J Feldmesser J F L Childs R V Rebois
Plant Dis R 4B(2):95-9B
IS Feb 1964 1.9 P69P
Blight (citrus), Citrus, Parasitism, Plant nematodes.

302B-67
MOVEMENT OF TYLENCHULUS SEMI-PENETRANS INTO ROUGH LEMON ROOTS AND IN SOIL AND ITS RELATION TO FUSARIUM IN THE ROOTS.
J Feldmesser W A Feder R V Rebois
Phytopatholo 52(1):9
Jan 1962 464.B P56
Fusarium oxysporum, Fusarium solani, Nematode migration, Rough lemon, Tylenchulus semi-penetrans.

3029-67
SUSCEPTIBILITY OF BLUEGRASS TO ROOT-KNOT NEMATODES.
T A Gaskin
Plant Dis R 49(1):B9-90
1S Jan 1965 1.9 P69P
Plant nematode resistance, Poa, Root-knot nematodes.

3030-67
NEMATODES ON RASPBERRIES IN THE EASTERN UNITED STATES.
A M Golden R Cowverse
Plant Dis R 49(12):9B7-991
Dec 196S I.9 P69P
Eastern United States, Plant nematodes, Raspberries.

3031-67
EVALUATION OF DBCP FORMULATIONS AND APPLICATION DEPTHS FOR ROOT-KNOT NEMATODE CONTROL AND PHYTOTOXICITY TO TOMATOES.
J M Good
4S(12):976-97B, PL.
1S Dec I961
Insecticide application, Meloidogyne incognita acrita,

Phytotoxicity, Root-knot nematode, Tomatoes, 1,2-dibromo-3-chloropropane.

3032-67
INTERACTIONS OF EDB, CDEC, AND IRRIGATION ON CONTROL OF MELOIDOGYNE INCOGNITA ACRITA.
J M Good R B Taylorson
Phytopatholo 54(6):622
Jun 1964 464.8 P56
Ethylene dibromide, Irrigation, Meloidogyne incognita acrita, 2-chloroallyl diethyldithiocarbamate.

3033-67
FERTILIZERS CAN TRANSMIT PLANT NEMATODES.
J M Good
Phytopatholo 52(1):11
Jan 1962 464.8 P56
Fertilizers, Nematodes.

3034-67
RESPONSES OF TOBACCO BREEDING LINES TO THREE SPECIES OF ROOT-KNOT NEMATODES IN GREENHOUSE TESTS.
T W Graham
Plant Dis R 45(9):692-695
15 Sep 1961 1.9 P69P
Greenhouse culture, Meloidogyne, Plant breeding, Root-knot nematode, Tobacco.

3035-67
RESPONSE OF ROOT-KNOT-RESISTANT TOBACCOS TO THE NEMATODE ROOT DISEASE COMPLEX CAUSED BY PRATYLENCHUS SPP. AND MELOIDOGYNE INCOGNITA ACRITA.
T W Graham Z T Ford R E Currin
Phytopatholo 54(2):205-210, BIBL., 2I0, TABS.
Feb 1964 464.8 P56
Meloidogyne incognita acrita, Nematodes, Pratylenchus spp., Root knot (tobacco), Root rot (tobacco), Tobacco.

3036-67
RESPONSE OF SELECTED TOBACCO VARIETIES TO MELOIDOGYNE JAVANICA AND M. INCOGNITA ACRITA IN FIELD PATHOGENICITY TRIALS.
T W Graham
Phytopatholo 54(6):623
Jun 1964 464.8 P56
Meloidogyne incognita acrita, Meloidogyne javanica, Tobacco.

3037-67
ASPECTS OF THE HOST-PARASITE RELATIONSHIP OF NEMATODES ASSOCIATED WITH WOODY ORNAMENTALS.
C M Heald W R Jenkins
Phytopatholo 54(6):718-722, BIBL. 721-722, TABS.
Jun 1964 464.8 P56
Climbing plants, Parasitism, Plant nematodes.

3038-67
INFLUENCE OF SOIL DEPTH AND SAMPLING DATE ON POPULATION LEVELS OF TRICHODORUS CHRISTIEI.
J K Hoff W F Mai
Phytopatholo 54(2):246
Feb 1964 464.8 P56
Trichodorus christiei.

3039-67
SOME CONSEQUENCES OF A QUANTITATIVE THEORY OF NEMATODE-ROOT RELATIONS.
J P Hollis
Phytopatholo 54(6):624
Jun 1964 464.8 P56
Plant nematodes, Roots.

3040-67
CONTROL OF ROOT-KNOT NEMATODES WITH ORGANOPHOSPHATE INSECTICIDES.
N B Jarnevic E G Coffee
Plant Dis R 49(7):603-604
Jul 1965 1.9 P69P
Insecticides, Meloidogyne incognita, Phosphates, Root-knot nematodes.

3041-67
STUNT OF SMALL GRAINS, A NEW DISEASE CAUSED BY THE NEMATODE TYLENCHORHYNCHUS BREVIDENS.
K R Langdon F B Struble H C Young Jr
Plant Dis R 45(4):248-252
15 Apr 1961 1.9 P69P
Plant nematodes, Stunt (grains), Tylenchorhynchus brevidens.

3042-67
ROLE OF CERTAIN PLANT-PARASITIC NEMATODES IN INFECTION OF TOMATOES BY PSEUDOMONAS SOLANACEARUM.
G Libman J G Leach R E Adams
Phytopatholo 54(2):151-153
Feb 1964 464.8 P56
Plant nematodes, Pseudomonas solanacearum, Tomatoes.

3043-67
SOME EFFECTS OF CHEMICAL AMENDMENTS AND CULTURAL CONDITIONS ON POPULATION LEVELS OF XIPHINEMA AMERICANUM.
B F Lownsbery J T Mitchell
Plant Dis R 49(12):994-998, TABS.
Dec 1965 1.9 P69P
Chemical control (nematodes), Population (nematodes), Xiphinema americanum.

3044-67
AN ATTEMPT TO CONTROL ROOT-KNOT NEMATODE WITH DACTYLARIA THAUMASIA AND ARTHROBOTRYS ARTHROBOTRYOIDES.
R Mankau
Plant Dis R 45(3):164-166
15 Mar 1961 1.9 P69P
Arthrobotrys arthrobotyroides Lindau, Dactylaria thaumasia Drechsler, Meloidogyne incognita, Plant nematodes, Root knot (okra), Root knot (tomatoes).

3045-67
THE RENIFORM NEMATODE MAY BE A SERIOUS PEST OF THE SWEET-POTATO.
W J Martin
Plant Dis R 44(3):216
15 Mar 1960 1.9 P69P
Nematodes, Reniform nematode, Sweetpotatoes.

3046-67
EFFICIENCY OF XIPHINEMA AMERICANUM AS A VECTOR OF TOBACCO RINGSPOT VIRUS.
J M McGuire
Phytopatholo 54(6)625
Jun 1964 464.8 P56
Ring spot (tobacco), Xiphinema americanum.

3047-67
ELIMINATION OF NEMATODES FROM NURSERY PLANTS BY CHEMICAL BARE-ROOT DIPS.
H N Miller V G Perry
Plant Dis R 49(1):51-53
15 Jan 1965 1.9 P69P
Chemical control (nematodes), Nursery stock (horticulture), Plant nematodes.

3048-67
EFFECTS OF 7 NEMATODE SPECIES ON 10 COTTON SELECTIONS.
E B Minton A L Smith E S Cairns
Phytopatholo 54(6):625
Jun 1964 464.8 P56
Cotton, Plant nematodes.

3049-67
REACTION OF WHITE CLOVER AND FIVE OTHER CROPS TO PRATYLENCHUS SCRIBNERI.
N A Minton
Plant Dis R 49(10):856-859
Oct 1965 1.9 P69P
Crops, Forage plants, Pratylenchus scribneri, White clover.

3050-67
CONTROL OF ROOT-KNOT NEMATODE AND APHID ON TOBACCO.
R E Motsinger O D Morgan
Plant Dis R 44(6):399
15 Jun 1960 1.9 P69P
Aphididae, Nematodes, Root knot nematode, Tobacco.

3051-67
CITRUS-ROOT NEMATODE IN IRAQ IN 1965.
R M Natour H El-Haiderl J Mohammed
Plant Dis R 49(9):792
Sep 1965 1.9 P69P
Citrus, Iraq, Nematodes, Tylenchulus semipenitrans Cobb..

3052-67
DITYLENCHUS DIPSACI INJURY TO PENSTEMON DIGITALIS.
W R Nickle A M Golden
Plant Dis R 49(12):991-993
Dec 1965 1.9 P69P
Ditylenchus dipsaci, Penstemon digitalis.

3053-67
SIGNIFICANCE OF POTASSIUM FERTILIZATION IN NEMATODE INFESTED COTTON FIELDS.
B A Oteifa K A Diab
Plant Dis R 45(12):932
15 Dec 1961 1.9 P69P
Cotton, Fertilizers, Plant nematodes, Potassium.

3054-67
EFFICACY OF DBCP FLOOD IRRIGATION IN ESTABLISHED CITRUS.
B A Oteifa F A Shafiee F M Elssa
Plant Dis R 49(7):598-599
Jul 1965 1.9 P69P
Citrus, Irrigation, 1,2-dibromo-3-chloropropane.

3055-67
A CRITICAL METHOD FOR EVALUATING TOLERANT LEVELS IN NEMATIZED HOST PLANTS.
B A Oteifa D M Elgindi
Plant Dis R 45(12):930-931
15 Dec 1961 1.9 P69P
Plant nematodes, Plant physiology.

3056-67
POTENTIALLY IMPORTANT PLANT-PARASITIC NEMATODES PRESENT IN ESTABLISHED ORCHARDS OF NEWLY-RECLAIMED SANDY AREAS OF THE UNITED ARAB REPUBLIC.
B A Oteifa A C Tarjan
Plant Dis R 49(7):596-597
Jul 1965 1.9 P69P
Parasitism, Plant nematodes, United Arab Republic.

3057-67
PHYSIOLOGICAL STUDIES ON HOST-PARASITE RELATIONSHIP OF THE ROOT-KNOT NEMATODE, MELOIDOGYNE JAVANICA.
B A Oteifa D M Elgindi
Plant Dis R 45(12):928-929
15 Dec 1961 1.9 P69P
Meloidogyne javanica, Parasitism, Root-knot nematode.

3058-67
GREENHOUSE STUDIES ON THE CONTROL OF ROOT-KNOT NEMATODES ON HYDROCOTYLE SIBTHORPIODES.
W M Powell F A Pokorny
Plant Dis R 49(10):861-864
Oct 1965 1.9 P69P
Hydrocotyle sibthorpiodes, Nematocides, Plant nematodes, Root-knot nematode.

3059-67
INTERACTION OF HETERODERA GLYCINES AND MELOIDOGYNE INCOGNITA ON SOYBEANS.
J P Ross
Phytopatholo 54(3):304-307, TABS.
Mar 1964 464.B P56
Heterodera glycines, Meloidogyne incognita, Plant nematodes, Soybeans.

3060-67
OCCURRENCE OF XIPHINEMA AMERICANUM COBB IN SOME SASKATCHEWAN SOILS.
P J Salisbury J E Bosher
Plant Dis R 45(6):481
15 Jun 1961 1.9 P69P
Plant nematodes, Saskatchewan, Soil contamination, Soil sampling, Xiphenema americanum Cobb.

3061-67
INFLUENCE OF STING NEMATODE CONTROL WITH O,O-DIETHYL O-2-PYRAZINYL PHOSPHOROTHIOATE ON YIELD AND QUALITY OF PEANUTS.
J N Sasser W E Cooper
Plant Dis R 45(3):173-175
15 Mar 1961 1.9 P69P
Belonolaimus longicaudatus Rau, Crop yields, O,O-diethyl O-2-pyrazinyl, Peanuts, Sting nematode.

3062-67
ROOT-KNOT NEMATODE ON KENAF IN GUATEMALA.
E Schelber O N Sosa P Escobar
Plant Dis R 45(2):119
15 Feb 1961 1.9 P69P
Guatemala, Hibiscus cannabinus, Kenaf, Meloidogyne incognita acrita, Plant nematodes, Root knot (kenaf).

3063-67
ROOT-KNOT NEMATODE ON DIOSCOREA IN GUATEMALA.
E Schieber D Lassmann K
Plant Dis R 45(12):981
15 Dec 1961 1.9 P69P

Guatemala, Meloidogyne incognita, Root-knot nematode, Yams.

3064-67
PARASITIC NEMATODES ON DIOSCOREA IN GUATEMALA.
E Schieber
Plant Dis R 45(6):425
15 Jun 1961 1.9 P69P
Guatemala, Meloidogyne, Plant nematodes, Tropical yams, Yams.

3065-67
WHEAT GRAIN LOSSES CAUSED BY NEMATODES.
A M Schiehuber H Pass H C Young Jr
Plant Dis R 49(10):806-809
Oct 1965 1.9 P69P
Crop losses, Plant nematodes, Tylenchorhynchus brevidens Allen, Wheat.

3066-67
DRENCH TREATMENT OF ROSES IN CONTAINERS FOR ROOT-LESION NEMATODE DISEASE.
S A Sher A H Bell
Plant Dis R 49(12):982-985, TABS.
Dec 1965 1.9 P69P
Chemical control (nematodes), Plant nematodes, Pratylenchus vulnus, Rosa.

3067-67
OCCURRENCE OF DITYLENCHUS RADICICOLA (NEMATODA: TYLENCHIDAE) IN THE U. S. AND ON A NEW HOST.
G J Stessel A M Golden
Plant Dis R 45(1):26-28
15 Jan 1961 1.9 P69P
American beachgrass, Ammophila breviliguiata, Ditylenchus radicicola (Greeff), Nematoda, Nematodes, Tylenchidae.

3068-67
EFFECTIVENESS OF DBCP AND FUNGICIDES FOR THE CONTROL OF RADOPHOLUS SIMILIS ON CITRUS TREES.
R F Suit E P DuCharme A W Feldman
Plant Dis R 45(1):62-66
15 Jan 1961 1.9 P69P
Citrus, Radopholus similis, Sprinkler irrigation, 1,2-dibromo-3-chloropropane.

3069-67
INCUBATION OF SOIL AND ROOT SAMPLES IN POLYETHYLENE PLASTIC FOR IMPROVED RECOVERY NEMATODES.
A C Tarjan
Plant Dis R 44(1):31
15 Jan 1960 1.9 P69P
Incubation, Nematodes, Plastics, Polyethylene, Roots, Soil sampling.

3070-67
ARROWWEED, PLUCHEA SERICEA, ON THE COLORADO RIVER IS A HOST FOR ROOT-KNOT NEMATODES.
I J Thomason S D Van Gundy
Plant Dis R 45(7):577
15 Jul 1961 1.9 P69P
Arrowweed, Meloidogyne javanica, Plant hosts, Pluchea sericea, Root-knot nematode.

3071-67
MOTILITY AND INFECTIVITY OF MELOIDOGYNE JAVANICA AS AFFECTED BY STORAGE TIME AND TEMPERATURE IN WATER.
I J Thomason S D Van Gundy J D Kirkpatrick
Phytopatholo 54(2):192-195, TABS.
Feb 1964 464.B P56
Meloidogyne javanica, Storage, Temperature, Water.

3072-67
SWEETPOTATO PRODUCTION ON SOIL TREATED WITH SOIL FUMIGANTS.
I J Thomason H E McKinney
Plant Dis R 45(7):497-499, TABS.
15 Jul 1961 1.9 P69P
Ethylene dibromide, Meloidogyne incognita, Root-knot nematode, Soil treatment, Sweetpotatoes, Telone, 1,2-dibromo-3-chloropropane.

3073-67
SUSCEPTIBILITY OF JUTE STRAINS TO FOUR ROOT-KNOT NEMATODES (MELOIDOGYNE SPP.) IN EASTERN NIGERIA.
K L Unny M L Jerath
Plant Dis R 49(8):729-730
Aug 1965 1.9 P69P
Jute, Meloidogyne, Nematodes, Nigeria, Plant nematode resistance, Root-knot nematode.

3074-67
PARASITIC NEMATODES ON DIOSCOREA SPP. IN EASTERN NIGERIA.
K L Unny M L Jerath
Plant Dis R 49(10):875-876
Oct 1965 1.9 P69P
Helicotylenchus dihystera, Hopolaimus proporicus, Nigeria,
Plant nematodes, Scutellonema, Yams.

3075-67
NATURE OF RESISTANCE IN CERTAIN CITRUS ROOTSTOCKS TO CITRUS NEMATODE.
S D Van Gundy J D Kirkpatrick
Phytopatholo 54(4):419-427, BIBL. 426-427
Apr 1964 464.8 PS6
Citrus, Citrus nematode, Plant disease resistance,
Rootstocks, Tylenchulus semipenetrans.

3076-67
NEGATIVE REPORT ON THE EXISTENCE OF THE GOLDEN NEMATODE (HETERODERA ROSTOCHIENSIS WOLL) IN MEXICO.
A C Vela
Phytopatholo 54(5):501
May 1964 464.8 PS6
Heterodera rostochiensis, Mexico.

3077-67
POPULATION DYNAMICS OF NEMATODES IN CRANBERRY SOILS.
B M Zuckerman S Khera A R Pierce
Phytopatholo 54(6):654-659
Jun 1964 464.8 PS6
Cranberries, Cranberry bogs, Nematode population,
Plant nematodes.

3078-67
CHEMICAL CONTROL OF MELOIDOGYNE ARENARIA ON SPANISH PEANUTS IN TEXAS.
W H Thames Jr B C Langley
Phytopatholo 54(6):626-627
Jun 1964 464.8 P56
Chemical control (nematodes), Meloidogyne arenaria,
Spanish peanuts, Texas.

30 LIVESTOCK PROTECTION

Diseases

3079-67
PINE NEEDLE ABORTION IN CATTLE.
J S Tucker
Amer Coll Vet Toxicol Pr 35-39, TA8S.
21 Mar 1961 391.9 AM3
Abortion, Cattle, Pine needles, Pinus ponderosa.

Arthropods

3080-67
HORN FLY CONTROL ON BEEF CATTLE BY THE USE OF CABLE RUBBERS.
R C Dobson R C Peterson
J Econ Entom 56(2):230-234
Apr 1963 421 J822
Beef cattle, Cable rubbers, Haematobia irritans,
Insecticide application.

3081-67
HORN FLY CONTROL STUDIES IN MISSISSIPPI, 1961.
R A Hoffman R H Roberts
J Econ Entom 56(3):258-261
Jun 1963 421 J822
Chemical control (insects), Haematobia irritans,
Mississippi.

3082-67
CONTROL OF THE FACE FLY ON CATTLE WITH CO-RAL IN GRAIN AND ON PASTURE.
C M Jones J G Medley
J Econ Entom 56(2):214-215
Apr 1963 421 J822
Cattle, Coumaphos, Grain, Musca autumnalis, Pastures,
Systemic insecticides.

3083-67
TOXICOLOGICAL STUDIES ON DICHLORVOS FEED-ADDITIVE FORMULATIONS TO CONTROL HOUSE FLIES AND FACE FLIES IN CATTLE FECES.
C W Pitts T L Hopkins
J Econ Entom 57(6):881-884, TA8S.
Dec 1964 421 J822
Cattle, Dichlorvos, Feed additives, Manures,
Musca autumnalis.

40 COMMODITY PROTECTION

3084-67
THE COOLING OF HEATING GRAIN BY TRANSFER DURING COLD WEATHER.
F L Watters
J Econ Entom 56(2):215-219
Apr 1963 421 J822
Grain, Temperature, Weather.

Storage Diseases

3085-67
WATER CORE IN LADY VARIETY APPLES DURING STORAGE.
M J Ceponis B A Friedman
Plant Dis R 44(1):29-30
15 Jan 1960 1.9 P69P
Apples, Lady apples, Storage, Water core (apples).

3086-67
2,6-DICHLORO-4-NITROANILINE USED IN ORCHARD SPRAYS, THE DUMP TANK, THE WET BRUSHER AND THE HYDROCOOLER FOR CONTROL OF RHIZOPUS ROT OF HARVESTED PEACHES.
R H Daines
Plant Dis R 49(4):300-304, TA8S.
15 Apr 1965 1.9 P69P
Peaches, Rhizopus spp., Rot (peaches),
2,6-dichloro-4-nitroaniline.

3087-67
THE EFFECT OF STORAGE TEMPERATURE AND OTHER FACTORS ON DECAY OF POTATO SEED PIECES.
C J Eide
Plant Dis R 49(7):638-640
Jul 1965 1.9 P69P
Potatoes, Seed decay, Storage diseases, Storage temperature.

3088-67
PENICILLIUM DEVELOPMENT IN LEMONS TREATED WITH 2,6-DICHLORO-4-NITROANILINE.
L G Houck
Plant Dis R 49(8):715-719, TA8S.
Aug 1965 1.9 P69P
Lemons, Penicillium digitatum, Plant decay,
2,6-dichloro-4-nitroaniline.

3089-67
POSTHARVEST FUNGICIDE TREATMENTS FOR REDUCTION OF DECAY IN ANJOU PEARS.
C F Pierson
Plant Dis R 44(1):64-65
15 Jan 1960 1.9 P69P
Anjou pears, Fungicides, Pears, Plant decay,
Storage diseases.

3090-67
ENVIRONMENTAL INFLUENCES ON DEVELOPMENT OF GLUME BLOTCH IN WHEAT.
A L Scharen
Phytopathole 54(3):300-303, BIBL. 303
Mar 1964 464.8 P56
Glume blotch (wheat), Storage, Weather, Wheat.

3091-67
REDUCTION OF POSTHARVEST DECAY OF STRAWBERRIES WITH CHEMICAL AND HEAT TREATMENTS.
W L Smith Jr J T Worthington III
Plant Dis R 49(7):619-623, TA8S.
Jul 1965 1.9 P69P
Chemical treatment, Heat treatment, Plant decay,
Strawberries.

50 ENVIRONMENTAL CONTAMINATION

Arthropods

3092-67
DETECTION BY ULTRAVIOLET LIGHT OF STORED-PRODUCT INSECTS INFECTED WITH MATTESIA DISPORA.
W E Burkholder R J Dicke
J Econ Entom 57(6):818-819
Dec 1964 421 J822
Insect diseases, Mattesia dispora Naviile,
Stored-product insects, Ultraviolet rays.

3093-67
PROTECTION OF WHEAT SEED WITH DIATOMACEOUS EARTH.
R G Strong D E Sbur
J Econ Entom 56(3):372-374
Jun 1963 421 J822
Diatomaceous earth, Plant protection,
Stored-product insects, Wheat.

3094-67
EFFECT OF VARIOUS HERBICIDES ON SOME SOIL FUNGI IN CULTURE.
D C Bain
Plant Dis R 45(10):814-817, TABS.
15 Oct 1961 1.9 P69P
Herbicides, Rhizoctonia, Sclerotium, Soil fungi.

3095-67
EFFECTIVENESS OF MIXTURES OF PYRIDINETHIOL DERIVATIVES AND PCNB (TERRACHLOR) FOR CONTROL OF A COMPLEX OF SOIL FUNGI.
G L Barnes R S Zerkel
Plant Dis R 45(6):426-431
15 Jun 1961 1.9 P69P
Omadine, Pentachloronitrobenzene, Pyridinethiol, Soil fungi.

3096-67
THE DISAPPEARANCE OF DIMETHOATE FROM SOIL.
W R Bohn
J Econ Entom 57(6):798-799
Dec 1964 421 J822
Dimethoate, Insecticide residues, Soil insecticides.

3097-67
IN VITRO EFFECTS OF STREPTOMYCES RIMOSUS ON SOME SOIL-INHABITING PATHOGENIC FUNGI.
C C Chi E W Hanson
Plant Dis R 49(2):159-163
15 Feb 1965 1.9 P69P
Soil fungi, Streptomyces rimosus.

3098-67
PINE TREES NEAR POWER SUBSTATIONS DAMAGED BY UREA HERBICIDES.
R C Froelich G A Snow
Plant Dis R 49(12):970-971
Dec 1965 1.9 P69P
Electric power generation, Herbicides, Phytotoxicity,
Pinus elliotti, Urea, Urea herbicides.

3099-67
EVALUATION OF TWO SOIL FUMIGANTS IN EASTER LILY BULB PRODUCTION.
D L Gill J M Good
Plant Dis R 48(1):26-29
15 Jan 1964 1.9 P69P
Lilium longiflorum, Soil fumigation.

3100-67
DDT RESIDUES IN MOUNTAIN STREAM WATER AS INFLUENCED BY TREATMENT PRACTICES.
A R Grzenda H P Nicholson J I Teasley J H Patric
J Econ Entom 57(5):615-618, TABS.
Oct 1964 421 J822
DDT , Insecticide application, Insecticide residues.

3101-67
SOIL FUNGICIDES FOR CONTROL OF PEA ROOT ROT IN GREENHOUSE TESTS.
J L Lockwood
Plant Dis R 45(7):569-571
15 Jul 1961 1.9 P69P
Fungicides, Peas, Root rot (peas), Soil fumigation.

3102-67
A PRELIMINARY REPORT ON TWO EXPERIMENTAL SOIL FUMIGANTS.
H L Rhoades
Plant Dis R 45(1):54-57, TABS.
15 Jan 1961 1.9 P69P
EP-161, EP-162, Soil fumigation.

3103-67
DISTRIBUTION AND PATHOGENICITY OF STRAINS OF PSEUDOMONAS SOLANACEARUM FROM VIRGIN SOILS IN COSTA RICA.
L Sequeira C W Averre I II.
Plant Dis R 45(6):435-440, BIBL. 439-440
15 Jun 1961 1.9 P69P
Bacterial wilt (bananas), Costa Rica, Pathogenesis,
Pseudomonas solanacearum.

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3104-67
COMPARATIVE EFFECTIVENESS OF VARIOUS NEMATOCIDES IN THE CONTROL OF ROOT KNOT IN MUCK SOIL.
J D Wilson
Plant Dis R 45(7):534-538
15 Jul 196I I.9 P69P
Meloidogyne hapla, Muck soils, Nematocides,
Root-knot nematode.

55 RESIDUES

3105-67
ABSCENCE OF RESIDUES IN MILK AFTER BARNS WERE SPRAYED WITH DIMETHOATE.
T R Adkins Jr
J Econ Entom 56(I):II9
Feb I963 421 JB22
Dimethoate, Insecticide residues, Milk, Spraying.

3106-67
NOTE ON THE DETERMINATION OF RESIDUAL BROMINE IN ETHYLENE DIBROMIDE-FUMIGATED CEREALS.
E Alumot A Bondi
J Sci Food A I3(I):42-43
Jan I962 3B2 S012
Bromine, Ethylene dibromide, Fumigation, Grain,
Insecticide residues.

31D7-67
VARIABILITY IN THE GROWTH PATTERNS OF SINGLE CELL CLONES OF NORMAL AND GRAPE PHYLLOXERA GALL CALLUS IN VITRO.
H C Arya A C Hildebrandt A J Riker
Phytopathoio 52(I):I
Jan 1962 464.B P56
Clones, Normal phylloxera, Phylloxera vitifoliae,
Phylloxera vitifoliae.

31D8-67
PARATHION RESIDUE IN GREENS.
L H Bolston R R Walton
J Econ Entom 56(2):169-172
Apr I963 421 JB22
Christmas greens, Insecticide residues, Parathion.

31D9-67
SEVIN RESIDUES IN MILK FROM DAIRY COWS FOLLOWING DERMAL APPLICATIONS.
H B Camp J R Buttram K L Hays B W Arthur
J Econ Entom 56(3):402-404
Jun I963 42I JB22
Carbaryl, Dairy cattle, Insecticide application,
Insecticide residues, Milk.

311D-67
THE TOXICITY OF INSECTICIDES TO LARVAE OF THE CODLING MOTH, CYDIA POMONELLA (L.). II. MAINTENANCE OF A TOXIC DEPOSIT IN THE FIELD.
M Gratwick J M Silllbourne R P Tew
Bull Entomol R 56(2):377-388, TABS.
Dec 1965 42I BB7
Carpocapsa pomonella, Insecticide residues, Insecticides,
Toxicology.

3111-67
INITIAL DEPOSIT AND DISAPPEARANCE RATES OF VARIOUS INSECTICIDES AS AFFECTED BY FORAGE CROP SPECIES.
D D Hardee E W Huddleston G G Gyrisco
J Econ Entom 56(I):9B-1DI
Feb I963 42I JB22
Forage plants, Insecticide residues, Insecticides.

3112-67
MULTIPLE RESIDUES OF SEVERAL CHLORINATED PESTICIDES ON PEARS.
U Kligemagi L C Terriere
56(3):343-344
Jun I963
Pears, Pesticides.

3113-67
PROBLEMS RESULTING FROM THE MISUSE OF LINDANE FOR CHIGGER CONTROL ON TURKEY RANGES AS RELATED TO RESIDUE EDIBLE TISSUES.
J Liska G C Mostert B E Langlois W J Stadelman
J Econ Entom 57(5):6B2-6B3
Oct I964 42I JB22
Insecticide residues, Lindane, Trombiculidae, Turkeys.

60 TOXICOLOGY

3114-67
SELECTIVE EFFECTS OF BARLEY RESIDUE ON FUNGI OF THE PINTO BEAN ROOT-ROT COMPLEX.
C R Maier
Plant Dis R 45(10):808-811, TABS.
15 Oct 1961 1.9 P69P
Barley, Fusarium, Kidney beans, Root rot (beans), Soil fungi.

3115-67
PHOSPHAMIDON RESIDUE STUDIES ON VARIOUS CROPS.
R E Menzer L P Ditman
J Econ Entom 56(1):88-92
Feb 1963 421 JB22
Crops, Insecticide residues, Phosphamidon.

3116-67
RESIDUES IN BEEF FAT FOLLOWING HEPTACHLOR FEEDING.
R D Radeleff P B Polen
J Econ Entom 56(1):71-73
Feb 1963 421 JB22
Beef fat, Feed additives, Heptachlor, Insecticide residues.

3117-67
RESIDUAL EFFECTIVENESS OF DUST AND GRANULAR FORMULATIONS OF PENTACHLORONITROBENZENE (PCNB). .
J H Reinhart
Plant Dis R 49(1):60-62
15 Jan 1965 1.9 P69P
Insecticide residues, Pentachloronitrobenzene, Pesticide residues.

3118-67
THE DISAPPEARANCE OF DIMETHOATE AND SD-7438 FROM ALFALFA.
F R Shaw W H Ziener
J Econ Entom 57(6):997-998
Dec 1964 421 JB22
Alfalfa, Dimethoate, Insecticide residues, SD-7438.

3119-67
TOXICITY OF NEW INSECTICIDES TO CORN EARWORMS ON SWEET CORN.
L D Anderson H Nakakihara I M Hall
J Econ Entom 56(1):40-42
Feb 1963 421 JB22
Heliothis zea, Insecticides, Sweetcorn.

3120-67
SODIUM USNATE AS AN ANTIBIOTIC FOR PLANT DISEASES.
P A Ark A T Bottini J P Thompson
Plant Dis R 44(3):200
15 Mar 1960 1.9 P69P
Antibiotics, Sodium usnate, Toxicology.

3121-67
SUSCEPTIBILITY OF FOURTH-INSTAR ALFALFA WEEVIL LARVAE TO FORTY-ONE INSECTICIDES.
M H Bass G H Blake Jr
J Econ Entom 57(5):665-666
Oct 1966 421 JB22
Hypera postica, Insecticides, Larvae, Larvicides.

3122-67
PROGRESS REPORT ON GRANULAR FORMULATIONS OF INSECTICIDES FOR CONTROLLING TERMITES.
R H Beal V K Smith Jr
J Econ Entom 57(5):771
Oct 1964 421 JB22
Chemical control (insects), Insecticide application, Insecticides, Termites.

3123-67
A CONGENITAL DEFORMITY EXPERIMENTALLY PRODUCED IN CALVES BY FEEDING LUPINE AND LEAD.
W Binns L F James K C Beeson R W Hoiley
Amer Coll Vet Toxicol Pr 29-32
20 Aug 1961 391.9 AM3
Animal abnormalities, Crooked calf disease, Lead acetate, Lupine, Lupinus sericeus.

3124-67
THE EFFECT OF SOME FUNGICIDES ON EUROPEAN RED MITE POPULATIONS IN MAINE.
L W Boulanger
J Econ Entom 56(3):298-300
Jun 1963 421 JB22
Fungicides, Maine, Panonychus ulmi.

3125-67
FIELD TESTS WITH NEW INSECTICIDES FOR CONTROL OF THE SOUTHERN CORN ROOTWORM ATTACKING PEANUTS IN VIRGINIA.
G M Boush M W Alexander W L Powell
J Econ Entom 56(1):15-18
Feb 1963 421 JB22
Diabrotica undecimpunctata howardi, Insecticides, Peanuts, Virginia.

3126-67
SYSTEMIC EFFECTIVENESS OF INSECTICIDES AGAINST BOLL WEEVIL LARVAE AND OTHER COTTON PESTS.
U E Brady Jr J W Rawson B W Arthur
J Econ Entom 56(1):74-76
Feb 1963 421 JB22
Anthonomus grandis, Cotton, Systemic insecticides.

3127-67
CHANGES IN SERUM TRANSAMINASE ACTIVITIES ASSOCIATED WITH PLANT AND MINERAL TOXICITY IN SHEEP AND CATTLE.
W B Buck L James W Binns
Amer Coll Vet Toxicol Pr 13-24, BIBL. 19-21, TABS.
21 Mar 1961 391.9 AM3
Aminotransferases, Toxicology.

3128-67
ABSORPTION AND METABOLISM OF DIMETHOATE IN THE BOLLWORM AND BOLL WEEVIL.
D L Bull D A Lindquist J Hacskaylo
J Econ Entom 56(2):129-134
Apr 1963 421 JB22

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Absorption, Anthonomus grandis, Dimethoate, Heliothis zea, Metabolism.

3129-67
MISTBLOWER SPRAY TESTS FOR CONTROL OF THE BIRCH LEAF MINER.
D P Connola R C Sweet
J Econ Entom 57(6):1015
Dec 1964 421 JB22
Fenusa pusilla, Mist blowers.

3130-67
CONTROL OF THE WESTERN HARVESTER ANT, POGONOMYRMEX OCCIDENTALIS, WITH POISONED BAITS.
H H Crowell
J Econ Entom 56(3):295-298
Jun 1963 421 JB22
Insect traps, Pogonomyrmex occidentalis.

3131-67
THE IMMEDIATE AND LONG-TERM EFFECTS OF THE HERBICIDE MCPA ON SOIL ARTHROPODS.
B N K Davis
Bull Entomol R 56(2):357-366, BIBL. 364-365, TABS.
Dec 1965 421 BB7
Arthropoda, Herbicides, MCPA , Toxicology.

3132-67
FURTHER EVALUATION OF ANIMAL SYSTEMIC INSECTICIDES, 1963.
R O Drummond
J Econ Entom 57(5):741-745, TABS.
Oct 1964 421 JB22
Systemic insecticides.

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TOXICOLOGICAL STUDIES ON THE EGYPTIAN COTTON LEAFWORM, PRODENIA LITURA. II. REVERSION OF TOXAPHENE RESISTANCE IN THE EGYPTIAN COTTON LEAFWORM.
M E Eldefrawi A Toppozada A Salama S A Elkishen
J Econ Entom 57(4):593-595, TABS.
Aug 1964 421 JB22
Carbaryl, Egyptian cotton leafworm, Insecticide resistant insects, Toxaphene, Toxicology, Trichlorfon.

3134-67
TOXICOLOGICAL STUDIES ON THE EGYPTIAN COTTON LEAFWORM, PRODENIA LITURA. I. SUSCEPTIBILITY OF DIFFERENT LARVAL INSTARS OF PRODENIA TO INSECTICIDES.
M E Eldefrawi A Toppozada N Mansour M Zeid
J Econ Entom 57(4):591-593, TABS.
Aug 1964 421 JB22
Egyptian cotton leafworm, Insecticides, Larvae, Toxicology.

3135-67
SOME EFFECTS OF TEMPERATURE, HUMIDITY, AGE, AND SEX ON THE TOXICITY OF DIELDRIN AND ETHION TO RESISTANT ONION MAGGOTS, HYLEMYA ANTIQUA.
H M Elmosa H L King
J Econ Entom 57(5):649-650
Oct 1964 421 JB22
Environment, Ethion, Humidity, Insecticide resistant insects, Temperature, Toxicology.

3136-67
EXPERIMENTS OF CONTROL OF THE NORTHERN FOWL MITE.
J D Foulk J G Matthysse
J Econ Entom 56(3):321-326
Jun 1963 421 JB22
Chemical control (insects), Ornithonyssus sylviarum.

3137-67
THE TOXICITY OF INSECTICIDES TO LARVAE OF THE CODLING MOTH, CYDIA POMONELLA (L.). I.- INTRINSIC TOXICITY AND PERSISTENCE.
M Gratwick J M Sillibourne R P Tew
Bull Entomol R 56(2):367-377
Dec 1965 421 BB7
Carpocapsa pomonella, Insecticide residues, Insecticides, Toxicology.

3138-67
TESTS OF CIODRIN AND OTHER MATERIALS AGAINST FACE FLY, MUSCA AUTUMNALIS.
E J Hansens P Granett
J Econ Entom 56(1):24-29
Feb 1963 421 JB22
Ciodrin, Insecticides, Musca autumnalis.

3139-67
EFFECTS OF SOME ANTIBIOTICS ON THREE APHID SPECIES.
F H Harries V J Mattson
J Econ Entom 56(3):412-414, TABS.
Jun 1963 421 JB22
Antibiotics.

3140-67
INFLUENCE OF SOIL MOISTURE ON THE TOXICITY OF INSECTICIDES IN A MINERAL SOIL TO INSECTS.
C R Harris
J Econ Entom 57(6):946-950, BIBL. 949-950
Dec 1964 421 JB22
Insecticides, Insects, Soil moisture, Toxicology.

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CONTROL OF FIRST GENERATION SUGARCANE BORER POPULATIONS IN LOUISIANA.
S D Hensley W H Long E J Concienne W J McCormick
J Econ Entom 56(3):407-409
Jun 1963 421 JB22
Diatraea saccharalis, Insect population, Louisiana.

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CONTROL OF THE SOUTHWESTERN CORN BORER WITH AN EXPERIMENTAL SYSTEMIC INSECTICIDE.
S D Hensley W Machado D R Melville
J Econ Entom 57(6):1011
Dec 1964 421 JB22
Systemic insecticides, Zeadiatraea grandioseila.

3143-67
LABORATORY STUDIES WITH SYSTEMIC INSECTICIDES FOR CONTROL OF THE ORIENTAL RAT FLEA ON WHITE RATS.
A Hill Jr F W Knapp H Knutson
J Econ Entom 56(3):390-394, TABS.
Jun 1963 421 JB22
Systemic insecticides, Xenopsylla cheopis.

3144-67
FIELD EVALUATION OF INSECTICIDES FOR WOOLLY APPLE APHID CONTROL.
S C Hoyt
J Econ Entom 57(6):1009
Dec 1964 421 JB22
Eriosoma lanigerum, Insecticides.

3145-67
COMPARATIVE TOXICITY OF SOME PHOSPHORAMIDOTHIOATES AND PHOSPHORAMIDATES TO SUSCEPTIBLE AND ACARACIDE-RESISTANT STRAINS OF TETRANYCHUS PACIFICUS AND PANONYCHUS CITRI.
L R Jeppson M J Jesser J O Complin
J Econ Entom 57(6):878-881, TABS.
Dec 1964 421 JB22
Insecticide resistant insects, Phosphoramidates, Phosphoramidothioates, Toxicology.

3146-67
NITRATE METABOLISM IN THE RUMINANT.
E O Kearley
Amer Coll Vet Toxicol Pr 9-13, BIBL. 12-13
1964 391.9 AM3
Metabolism, Nitrates, Nitrites, Ruminants.

3147-67
ADULT HOUSE FLY CONTROL WITH RESIDUAL TREATMENTS OF SIX ORGANOPHOSPHORUS COMPOUNDS.
J W Kilpatrick H F Schoof
J Econ Entom 56(1):79-81
Feb 1963 421 JB22
Insect adults, Insecticide residues, Musca domestica, Organic compounds, Phosphorus compounds.

3148-67
CONTROL OF CERTAIN INSECTS AND MITES ON COTTON WITH THREE SYSTEMIC ORGANOPHOSPHORUS COMPOUNDS.
T F Leigh
J Econ Entom 56(3):326-333
Jun 1963 421 JB22
Cotton, Insects, Mites, Organic compounds, Phosphorus compounds, Systemic insecticides.

3149-67
IMPORTED FIRE ANT TOXIC BAIT STUDIES: EVALUATION OF CARRIERS FOR OIL BAITS.
C S Lofgren F J Bartlett C E Stringer
J Econ Entom 56(1):62-66
Feb 1963 421 JB22
Oil baits, Solenopsis saevissima richteri.

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HEPTACHLOR DUST FOR CONTROL OF THE LEAF-CUTTING ANT SAUVA LIMAO, IN 8RAZIL.
F A M Mariconi
J Econ Entom 57(6):797-798
Dec 1964 421 J822
Atta, 8razil, Heptachlor.

3151-67
A NEW TOXICOLOGICAL TEST METHOD FOR HAEMATOPHAGUS MITES.
FOULK, J D.
J G Matthysse
J Econ Entom 57(4):602-604
Aug 1964 421 J822
Mites, Toxicology.

3152-67
EFFECT OF VARIOUS INSECTICIDES IN THE CONTROL OF CATERPILLARS ATTACKING TOMATO IN CALIFORNIA.
W W Middlekauff C Q Gonzales R C King
J Econ Entom 56(2):155-158
Apr 1963 421 J822
California, Caterpillars, Insecticides, Tomatoes.

3153-67
EFFECTIVENESS OF ROTENONE AND PYRETHRINS WHEN MIXED WITH OTHER CHEMICALS FOR 80LL WEEVIL CONTROL.
W J Mistric Jr
J Econ Entom 57(5):765-766
Oct 1964 421 J822
Anthonomus grandis, Pyrethrum, Rotenone.

3154-67
EFFECT OF DDT AND TOXAPHENE ALONE AND IN COM8INATION ON SUCCINIC DEHYDROGENASE ACTIVITY IN HOMOGENATES OF THE 80LL WEEVIL.
R F Moore Jr H M Taft
J Econ Entom 57(5):772-773
Oct 1964 421 J822
Anthonomus grandis, DDT , Succinic dehydrogenase, Toxaphene.

3155-67
EFFECTIVENESS AND RESIDUAL ACTIVITY OF NEW COMPOUNDS IN SOIL AGAINST THE EYE GNAT, HIPPELATES COLLUSOR.
M S Mulla
J Econ Entom 57(6):873-878, TA8S.
Dec 1964 421 J822
Insecticide residues, Soil insecticides.

3156-67
ACTIVITIES OF NEW INSECTICIDES AGAINST ADULTS OF HIPPELATES COLLUSOR AND H. PUSIO.
M S Mulla
J Econ Entom 56(1):47-50
Feb 1963 421 J822
Insecticides.

3157-67
FIELD STUDIES ON THE EFFECTS OF INSECTICIDES ON SOME AQUATIC WILDLIFE SPECIES.
M S Mulla L W Isaak H Axelrod
J Econ Entom 56(2):184-188
Apr 1963 421 J822
Aquatic animals, Insecticides.

3158-67
8RACKEN POISONING.
O H Muth
Amer Coll Vet Toxicol Pr 25-28, 8I8L. 27-28
20 Aug 1961 391.9 AM3
Pteridium.

3159-67
FIELD EVALUATION OF SOME NEW INSECTICIDES FOR THE CONTROL OF THE PEA APHID ON ALFALFA.
L R Nault D D Hardee G G Gyrisco
J Econ Entom 57(5):771-772
Oct 1964 421 J822
Acyrthosiphon pisum, Alfalfa, Insecticides.

3160-67
LARGE ANIMAL TOXICOLOGICAL PRO8LEMS.
F W Oehme
Amer Coll Vet Toxicol Pr 55-59
1964 391.9 AM3
Ergot poisoning, Festuca, Lead poisoning, Livestock diseases, Nightshade poisoning, Oak poisoning, Pigweed, Salt poisoning, Toxicology, Urea poisoning.

3161-67
TOXICITY TO SHEEP OF THREE FUNGICIDAL COMPOUNDS (CAPTAN, CERESAN M, AND ZINE8).
J S Palmer
Amer Coll Vet Toxicol Pr 5-8, TA8S.
1964 391.9 AM3
Captan, Ceresan, Fungicides, Sheep, Zineb.

3162-67
CAR8ARYL TOXICITY SYMPTOMS ON SOY8EANS.
M 8 Parker Jack Taylor
Plant Dis R 49(2):168-169
15 Feb 1965 1.9 P69P
Carbaryl, Soybeans, Toxicology.

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EFFECTIVENESS OF INSECTICIDES AGAINST WHITE GRUBS IN BLUE-GRASS LAWNS.
8 C Pass
J Econ Entom 57(6):1002-1003
Dec 1964 421 J822
Insecticides, Poa, White grubs.

3164-67
VAPORIZED DICHLORVOS FOR CONTROL OF ARTHROPOD PESTS IN GREENHOUSES.
8 C Pass R Thurston
J Econ Entom 57(6):832-834
Dec 1964 421 J822
Dichlorvos, Greenhouses, Insect pests, Insecticidal aerosols, Pest control.

3165-67
THE ANTIMETABOLITE, IMIDAZOLE AS A PESTICIDE.
R J Pence
J Econ Entom 56(1):1-7
Feb 1963 421 J822
Antimetabolites, Imidazole, Pesticides.

3166-67
SHEEP 8OT FLY CONTROL TESTS.
R E Pfadt
J Econ Entom 57(6):928-931
Dec 1964 421 J822
Oestrus ovis.

3167-67
CONTACT TOXICITIES OF 22 INSECTICIDES TO THE COCOA MIRID DISTANTIELLA THEO8ROMA(DIST.) (HEMIPTERA, MIRIDAE).
G Prins
8ull Entomol R 56(2):231-235, 8I8L. 234-235
Dec 1965 421 887
Cocoa mirid, Insecticides, Toxicology.

3168-67
POUR-ON TREATMENTS OF DDT OR TOXAPHENE FOR HORN FLY CONTROL.
W M Rogoff P H Kohler S D Hintz
J Econ Entom 56(1):82-83
Feb 1963 421 J822
DDT , Haematobia irritans, Insecticide application, Toxaphene.

3169-67
AERIAL APPLICATION OF INSECTICIDES TO CONTROL SPRING INFESTATIONS OF THE CEREAL LEAF 8EETLE ON SMALL GRAINS.
R F Ruppel M C Wilson
J Econ Entom 57(6):899-903, 8I8L. 903, TA8S.
Dec 1964 421 J822
Aerial spraying, Cereal leaf beetle, Insecticides, Oats, Wheat.

3170-67
CONTROL OF THE STRAW8ERRY LEAF ROLLER, ANCYLIS COMPTANA FRAGARIAE (LEPIDOPTERA: TORTRICIDAE).
G A Schaefers
J Econ Entom 57(6):983-986
Dec 1964 421 J822
Ancylis comptana fragariae.

3171-67
CONTROL OF 8IRCH LEAF MINER WITH SYSTEMICS.
J C Schread
J Econ Entom 57(5):761
Oct 1964 421 J822
Fenusa pusilla, Systemic insecticides.

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3172-67
LATENT TOXICITY OF INSECTICIDES TO RESISTANT AND SUSCEPTIBLE STRAINS OF THE HOUSE FLY.
M Sherman F F Sanchez
J Econ Entom S7(6):842-84S, TA8S.
Dec 1964 421 J822
Insecticide resistant insects, Insecticides, Musca domestica.

3173-67
A VERANDAH-TRAP HUT FOR STUDYING THE HOUSE-FREQUENTING HA8ITS OF MOSQUITOS AND FOR ASSESSING INSECTICIDES. II. THE EFFECT OF DICHLORVOS (DDVP) ON EGRESS AND MORTALITY OF ANOPHELES GAM8IAE GILES AND MANSONIA UNIFORMIS (THEO.) ENTERING NATURALLY.
A Smith
8ull Entomol R 56(2):27S-282, TABS.
Dec 196S 421 B87
Culicidae, Dichlorvos, Insect behavior, Insect traps, Insecticides.

3174-67
FLUOROSIS IN LIVESTOCK.
Suttie J W
Amer Coll Vet Toxicol Pr 64-68, TABS.
1964 391.9 AM3
Fluorosis, Livestock.

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TOXICOLOGICAL STUDIES ON THE EGYPTIAN COTTON LEAFWORM, PRODENIA LITURA. III. A MODIFIED TECHNIQUE FOR TESTING THE STOMACH-POISONING EFFECT OF INSECTICIDES OF LEAF-FEEDING LARVAE.
A Toppozada A Salama S Hassan M E Eidefrawi
J Econ Entom S7(4):S9S-597
Aug 1964 421 J822
Egyptian cotton leafworm, Insecticides, Larvae, Poisoning, Toxicology.

3176-67
EVALUATION OF SOME CHEMICALS AS FEED ADDITIVES TO CONTROL FACE FLY LARVAE.
R E Treece
J Econ Entom 57(6):962-963
Dec 1964 421 J822
Feed additives, Insecticides, Larvae, Musca autumnalis.

3177-67
EFFECT OF DDT ON PINK BOLLWORM POPULATIONS.
C H Tsao W L Lowry
J Econ Entom 56(3):388-390
Jun 1963 421 J822
DDT , Insect populations, Pectinophora gossypiella.

3178-67
RESIDUAL AND TOPICAL TOXICITY OF CERTAIN INSECTICIDES TO LA8ORATORY-REARED FACE FLIES.
E C Turner Jr C M Wang
J Econ Entom S7(5):716-719, TABS.
Oct 1964 421 J822
Insecticide residues, Insecticides, Musca autumnalis, Toxicology.

3179-67
08SERVATIONS OF SOME INSECTS AFTER TREATMENT WITH ZINOPHOS.
8LANCHARD, R A.
J Econ Entom S7(S):786-787
Oct 1964 421 J822
Insects, Zinophos.

3180-67
THE SYSTEMIC INSECTICIDAL ACTION OF SHELL OS-1836 AND 8IDRIN ON SEVERAL INSECTS ASSOCIATED WITH CONIFERS.
D D Walgenbach G C 8ecker Jr W H Kearby D M 8enjamin
J Econ Entom S7(S):764-76S
Oct 1964 421 J822
8idrin, Shell OS-1836 .

3181-67
PARAFFINIC AND NAPHTHENIC OIL FRACTIONS IN COM8INATION WITH DDT AND A HELIOTHIS VIRUS FOR CORN EARWORM CONTROL.
D A Wolfenbarger
J Econ Entom S7(S):732-73S, 8I8L. 73S, TA8S.
Oct 1964 421 J822
DDT , Heliothis zea, Paraffin oils, Polyhedroses.

3182-67
TOXICITY OF INSECTICIDES TO A COCCINELLID PREDATOR OF THE CEREAL LEAF 8EETLE.
Y M Yun R F Ruppel
J Econ Entom S7(6):835-837
Dec 1964 421 J822
Cereal leaf beetle, Insecticides, Predaceous insects.

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REPORT AND ABSTRACTS OF THE 1963 ANNUAL MEETING OF THE NORTHEASTERN DIVISION OF THE AMERICAN PHYTOPATHOLOGICAL SOCIETY.
Phytopatholo 54(2):127-129
Feb 1964 464.B PS6
Abstracts, Phytopathology.

3184-67
STORAGE OF FUNGICIDE-TREATED PEA AND CUCUMBER SEEDS.
D J deZeeuw R A Davis R A Crum
Plant Dis R 45(7):S44-547
15 Jul 1961 I.9 P69P
Cucumbers, Fungicides, Peas, Seed treatment, Storage.

3185-67
EXTENDED CULTURING OF SCLEROTINIA CAMELLIAE.
D M Alford J B Sinclair
Phytopatholo 52(1):1
Jan 1962 464.8 P56
Culture media, Sclerotinia cameliiae Hara.

3186-67
CHANGES IN PLANT GROWTH WITH CHEMICALS USED AS SOIL FUMIGANTS.
J Aitman K M Tsue
Plant Dis R 49(7):600-602
Jul 1965 I.9 P69P
Plant physiology, Soil fumigation,
I,3-dichloropropene-I,2-dichloropropane.

3187-67
A COMPARISON OF TWO RINGSPOT-RELATED VIRUSES FROM RED KIDNEY BEANS.
A L Andersen D Huber
Phytopatholo 52(1):1
Jan 1962 464.8 P56
Kidney beans, Ring spot (tobacco).

3188-67
PLATE-PROFILE TECHNIQUE FOR ISOLATING AND STUDYING ACTIVITIES OF SOME SOIL MICROORGANISMS.
A L Andersen D Huber
Phytopatholo 52(1):1
Jan 1962 464.8 PS6
Microtechnique, Soil fungi, Soil microorganisms.

3189-67
PREVALENCE AND DISTRIBUTION OF PATHOGENIC RACES OF PIRICULARIA ORYZAE IN THE U. S.
J G Atkins
Phytopatholo 52(1):2
Jan 1962 464.B PS6
Piricularia oryzae, Plant geography, Rice, United States.

3190-67
EFFECTS OF PEA APHID ON BLACKSTEM SEVERITY IN ALFALFA.
E E Banttari R D Wilcoxson
Phytopatholo 52(1):2
Jan 1962 464.8 P56
Acyrthosiphon pisum, Alfalfa, Blackstem, Plant resistance.

3191-67
PATHOGENICITY TEST WITH DIFFERENT ISOLATES OF CERATOCYSTIS FIMBRIATA.
C D Barba A J Hansen
Phytopatholo 52(1):2
Jan 1962 464.8 P56
Ceratocystis fimbriata, Microorganisms.

3192-67
FACTORS AFFECTING THE PATHOGENICITY OF PELLICULARIA FILAMENTOSA.
K R Barker J C Walker
Phytopatholo 52(1):2
Jan 1962 464.8 P56
Microorganisms, Peilicularia filamentosa.

3193-67
AN EXAMINATION OF VEGETATIVE RECOMBINATION OF UREDIOSPORE COLOR AND VIRULENCE IN MIXTURES OF CERTAIN RACES OF PUCCINIA RECONDITA.
R Barr R M Caldwell R H Amacher
Phytopatholo 54(1):104-109, TA8S.
Jan 1964 464.8 PS6
Puccinia recondita.

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PECTIC ENZYMES ASSOCIATED WITH RHIZOCTONIA-INFECTED TISSUES OF BEAN.
D F Bateman
Phytopatholo 52(1):2
Jan 1962 464.8 PS6
Enzymes, Kidney beans, Kidney beans, Pectins,
Rhizoctonia solani Kuhn.

3195-67
PRODUCTION OF A RED PIGMENT BY A MUTANT OF HELMINTHOSPORIUM HALODES.
G A Bean
Phytopatholo 52(1):2-3
Jan 1962 464.8 PS6
Helminthosporium halodes, Mutation, Pigments (plant).

3196-67
BASIS FOR HOST SPECIFICITY AMONG VASCULAR INVADERS OF BANANA ROOTS.
C H Beckman S Halmos
Phytopatholo 52(1):3
Jan 1962 464.B PS6
Bananas, Wilt (bananas).

3197-67
INFLUENCE OF GAMMA RADIATION DOSE RATE ON DECAY OF CITRUS, PEARS, AND PEACHES.
L Beraha
Phytopatholo 52(1):3
Jan 1962 464.B PS6
Citrus, Gamma rays, Peaches, Pears,
Radioactive contamination.

3198-67
HOST-PARASITE STUDIES ON RENIFORM NEMATODE ON COTTON.
W Birchfield
Phytopatholo 52(1):4
Jan 1962 464.B P56
Cotton, Nematodes, Parasitism, Rotylenchulus reniformis.

3199-67
PERMEABILITY CHANGES ASSOCIATED WITH VICTORIA BLIGHT OF OATS.
H S Black H Wheeler
Phytopatholo 52(1):4
Jan 1962 464.B P56
Oats, Permeability, Victoria blight (oats).

3200-67
STUDIES OF TRICARBOXYLIC ACID CYCLE INTERMEDIATES IN SAFFLOWER INFECTED WITH PUCCINIA CARTHAMI.
M L Bolar
Phytopatholo 52(1):4
Jan 1962 464.8 P56
Puccinia carthami, Safflower, Tricarboxylic acid cycle.

3201-67
SYSTEMIC ACQUIRED RESISTANCE AGAINST TOBACCO MOSAIC VIRUS RESULTING FROM LOCALIZED INFECTIONS BY THIELAVIOPSIS BASICOLA IN TOBACCO LEAVES.
R F Bozarth E I Hecht A F Ross
Phytopatholo 52(1):4
Jan 1962 464.8 P56
Mosaic (tobacco), Plant disease resistance,
Thielaviopsis basicola, Tobacco.

3202-67
COLD-INDUCED DORMANCY AND ITS REVERSAL IN UREDOSPORES OF PUCCINIA GRAMINIS VAR. TRITICI.
K R Bromfield
Phytopatholo 54(1):6B-74
Jan 1964 464.8 PS6
Plant dormancy, Plant temperature, Puccinia graminis,
Spores, Tritici.

3203-67
RESISTANCE IN OATS TO BARLEY YELLOW DWARF VIRUS (BYDV) IN WASHINGTON.
G W Bruehl V D Damsteegt H M Austenson
Phytopatholo 52(1):4-S

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Jan 1962 464.B PS6
Oats, Plant disease resistance, Washington,
Yellow dwarf (barley).

32D4-67
EFFECTS OF ETAMYCIN UPON SEEDLING GROWTH AND CHLOROPHYLL PRODUCTION.
A P Cercos
Phytopatholo S4(6):741
Jun 1964 464.B PS6
Plant regulators.

320S-67
EFFECT OF HETERODA TRIFOLI ON THE GROWTH OF TRIFOLIUM PRATENSE AND T. REPENS.
R A Chapman
Phytopatholo S2(1):6
Jan 1962 464.8 PS6
Heterodа trifoli, Red clover, White clover.

3206-67
INDUCED MUTATION AND CYTOLOGICAL INVESTIGATIONS IN HELMINTHOSPORIUM ORYZAE.
S B Chattopadhyay J G Dickson
Phytopatholo S0(6):439-442, BIBL., 441-442
Jun 1960 464.B PS6
Helminthosporium oryzae, Plant cytology, Plant mutation.

32D7-67
INFLUENCE OF TRANSIENT CAPILLARIES ON THE ENZYMATIC DEGRADATION OF PLANT CELL WALLS.
E B Cowling
Phytopatholo S2(1):6
Jan 1962 464.8 PS6
Capillaries, Cell wall, Enzymes, Plants.

320B-67
ATTRACTION OF APHANOMYCES EUTEICHES ZOOSPORES TO HOST AND NONHOST ROOTS.
J L Cunningham D J Hagedorn
Phytopatholo S2(1):7
Jan 1962 464.8 PS6
Aphanomyces euteiches, Host indexing (plants), Roots.

32D9-67
HOST-PARASITE RELATIONSHIPS OF PEA ROOTS PENETRATED BY ZOOSPORES OF APHANOMYCES EUTEICHES.
J L Cunningham D J Hagedorn
Phytopatholo S2(1):7
Jan 1962 464.8 PS6
Aphanomyces euteiches, Host indexing (plants), Peas.

321D-67
THE VALUE OF PLANT-GROWTH REGULATORS IN A 8ASAL MEDIUM FOR ISOLATING SOIL FUNGI.
E A Curl
Phytopatholo S4(6):621
Jun 1964 464.B PS6
Plant regulators, Soil fungi.

3211-67
8IOLOGICAL ACTIVITY OF THE GOLDEN NEMATODE HATCHING FACTOR. INFLUENCE ON ASPERGILLUS AWAMORI META8OLISM.
R V Dahlstrom W V Hartwell A L Neal
Phytopatholo S4(1):36-39
Jan 1964 464.8 PS6
Aspegillus awamori, Heterodera rostochiensis,
Nematode morphology, Plant metabollsm.

3212-67
ABSORPTION OF GAS BU88LES IN CUTTINGS AND INJECTED STEMS.
A E Dimond
Phytopatholo S2(1):7
Jan 1962 464.B PS6
Absorption, Flowers, Gases, Stems.

3213-67
WILT PATHOGENS AND OXYGEN LEVELS IN TRACHEAL FLUID OF STEMS.
A E Dimond
Phytopatholo S2(1):7
Jan 1962 464.B PS6
Oxygen, Tracheal fluids, Wilt.

3214-67
ELECTRON TRANSPORT SYSTEM IN FUNGAL CELL-FREE EXTRACTS.
W M Dowler P D Shaw D Gottlieb
Phytopatholo S2(1):8
Jan 1962 464.B PS6
Electron transport, Fungi.

321S-67
GERMINATION OF OOSPOPES OF PERONOSPORA MASHURICA.
J Dunleavy G Snyder
Phytopatholo S2(1):8
Jan 1962 464.8 PS6
Peronospora mashurica, Seed germination.

3216-67
ADAPTED TOLERANCE TO ORGANIC FUNGICIDES 8Y ISOLATES OF RHIZOCTONIA SOLANI FROM SEEDLING COTTON.
H M Eisaid J B Sinclair
Phytopatholo S4(S):S18-S22
May 1964 464.8 PS6
Adaptation (psychological), Cotton, Fungicides,
Rhizoctonia solani.

3217-67
CULTURE MEDIA FOR SPORANGIAL PRODUCTION IN PHYTOPHTHORA FRAGARIAE.
E L Fellx
Phytopatholo S2(1):9
Jan 1962 464.B P56
Culture media, Phytophthora fragariae,
Red stele (strawberries), Sporangium.

3218-67
PHYSICO-CHEMICAL STUDIES ON AGRICULTURAL SPRAYS. IV. THE RETENTION OF SPRAY LIQUIDS ON LEAF SURFACES.
C G L Furmidge
J Sci Food A 13(2):127-14D
Feb 1962 3B2 S012
Agriculture, Leaves, Physical chemistry, Spray retention,
Spraying.

3219-67
GENETICAL AND CYTOLOGICAL STUDIES OF PHYTOPHTHORA CAPSICI.
J Galindo A.
Phytopatholo S4(S):498-499
May 1961 464.B PS6
Cytology, Genetics, Phytophthora capsici.

322D-67
PENETRATION OF EXCISED APPLE CUTICLE BY RADIOACTIVE ORGANIC AND INORGANIC COMPOUNDS.
R N Goodman S K Addy
Phytopatholo 52(1):11
Jan 1962 464.8 PS6
Apples, Cuticle, Inorganic chemistry, Organic compounds,
Radioactive substances.

3221-67
APICAL NECROSIS IN ORNAMENTAL FOLIAGE PLANTS CAUSED 8Y RAPID TEMPERATURE CHANGES.
S O Graham
Plant Dis R 4S(1):41
1S Jan 1961 1.9 P69P
Ornamental plants, Plant injuries, Plant temperature.

3222-67
ANTIBIOTIC ACTIVITY OF PEAR LEAVES AGAINST ERWINIA AMYLOVORA AND ITS RELATION TO 8ETA-GLUCOSIDASE.
D C Hildebrand M N Schroth
Phytopatholo S4(1):S9-63
Jan 1964 464.B PS6
Antibiotics, 8eta-glucosidase, Erwinia amylovora, Leaves,
Pears.

3223-67
OOGENESIS AND REPRODUCTION IN HETERODERA GLYCINES AND H. TRIFOLII.
H Hirschmann A C Triantaphyllou
Phytopatholo S2(1):13
Jan 1962 464.8 PS6
Oogenesis, Reproduction.

3224-67
INFLUENCE OF NITROGEN AND POTASSIUM ON SUSCEPTI8ILITY OF CHRYSANTHEMUM MORIFOLIUM TO BOTRYTIS CINEREA.
E L Hobbs W E Waters
Phytopatholo S4(6):674-676, TABS.
Jun 1964 464.B PS6
8otrytis cinerea, Chrysanthemum morifolium, Nitrogen,
Potassium.

322S-67
INDUCED HY8RIDIZATION BETWEEN GRAMINICOLOUS SPECIES OF USTILAGO.
J A Hoffman G W Fischer
Phytopatholo S2(1):14
Jan 1962 464.B PS6

Breeding, Immunization, Ustilago.

3226-67
STIMULATION OF A NEW RHIZOCTONIA SPECIES BY STRAWBERRY ROOT EXUDATES.
S S Husain W E McKeen
Phytopatholo S2(1):I4-15
Jan 1962 464.B P56
Rhizoctonia, Roots, Stimulants, Strawberries.

3227-67
DYRENE PHYTOTOXICITY EFFECTS ON TOMATO.
J P Jones
Plant Dis R 45(3):16B-I72
15 Mar 1961 1.9 P69P
Dyrene, Phytotoxicity, Tomatoes.

322B-67
EFFECT OF PLATING MEDIUM AND INCUBATION TEMPERATURE ON THE GROWTH OF FUNGI IN SOIL-DILUTION PLATES.
D D Kaufman L E Williams
Phytopatholo 52(1):16
Jan 1962 464.B P56
Culture media, Fungi, Plant regulators, Plant temperature, Soil chemistry.

3229-67
ROOT INFECTION IN RELATION TO SPREAD OF PSEUDOMONAS SOLANACEARUM.
A Kelman L Sequeira
Phytopatholo S2(I):16
Jan 1962 464.B P56
Plant disease transmission, Pseudomonas solanacearum, Roots.

3230-67
DIFFERENTIATION OF USTILAGO HORDEI RACES ON SEVERAL MEDIA.
R L Kiesling
Phytopatholo S2(1):16
Jan 1962 464.B P56
Culture media, Plant taxonomy, Ustilago hordei.

3231-67
EFFECT OF SEED-TREATMENT FUNGICIDES ON GRAIN YIELD AND STANDS OF WINTER AND SPRING WHEAT.
C R Kohde L H Purdy
Plant Dis R 45(7):522-526, TABS.
15 Jul 1961 I.9 P69P
Crop yields, Fungicides, Grain, Seed treatment, Wheat.

3232-67
EFFECT OF FUNGITOXIC COMPOUNDS ON THE PERMEABILITY OF YEAST CELLS TO THE PYRUVATE ION.
H D Kottke H D Sisler
Phytopatholo S2(I):17
Jan 1962 464.B P56
Permeability, Pyruvic acid, Toxicology, Yeasts.

3233-67
A LONG TERM EXPERIMENT FOR PRESERVATION OF UREDIOSPORES OF PUCCINIA GRAMINIS TRITICI IN LIQUID NITROGEN.
W Q Loegering H H McKinney D L Harmon W A Clark
Plant Dis R 4S:3B4-3BS
IS May 1961 1.9 P69P
Liquefied gases, Nitrogen, Puccinia graminis tritici, Refrigeration equipment, Uredlospores.

3234-67
INFLUENCE OF VARIOUS NITROGEN AND LIGHT SOURCES ON SOME CULTURAL CHARACTERS OF FUSARIUM OXYSPORUM F. LYCOPERSICI.
A Mahadevan N E Caroselll
Plant Dis R 45(12):965-967
15 Dec 1961 1.9 P69P
Culture media, Fungi, Fusarium oxysporum f. lycopersici, Light, Nitrogen.

323S-67
INOCULUM CONCENTRATION AND PRODUCTION OF PERITHECIA BY GNOMONIA FRUCTICOLA IN CULTURE.
K C McOnle
Phytopatholo 54(4):490-491
Apr 1961 464.B P56
Culture, Gnomonia fructicola, Perithecia.

3236-67
VIOLENT SPORE RELEASE IN STEMPHYLIUM BOTRYOSUM WALLR.
D S Meredith
Plant Dis R 49(12):I006
Dec 1965 1.9 P69P
Fungi, Spores, Stemphylium botryosum Wallr..

3237-67
FREON-1I3 AS A DISPERSAL MEDIUM FOR UREDIOSPORES OF PUCCINIA GRAMINIS VAR. TRITICI.
Wm E Miller
Plant Dis R 49(3):26B
1S Mar 1965 1.9 P69P
Freon, Puccinia graminis var. tritici, Urediospores.

323B-67
INFLUENCE OF NUTRITION AND SOIL MOISTURE ON DEVELOPMENT OF CORTICIUM RED THREAD OF PENNLAWN AND RAINIER RED FESCUES.
R R Muse H B Couch
Phytopatholo 54(2):129
Feb 1964 464.B P56
Festuca, Festuca rubra, Plant nutrition, Soil moisture.

3239-67
RELATION OF CHLOROGENIC ACID AND FREE PHENOLS IN POTATO ROOTS TO INFECTION BY VERTICILLIUM ALBO-ATRUM.
S S Patil R L Powelson R A Young
Phytopatholo 54(5):S31-53S, TABS.
May I964 464.B P56
Chlorogenic acids, Phenols, Potatoes, Roots, Verticillium albo-atrum.

3240-67
BORON DEFICIENCY EVIDENT IN OREGON HOLLY ORCHARDS.
A N Roberts R L Ticknor O C Compton
Plant Dis R 45(B):634-63S
15 Aug 1961 1.9 P69P
Boron, Ilex, Iley aquifolium, Plant nutritional deficiencies.

3241-67
IRISH POTATO SEED PIECE TREATMENT WITH VARIOUS CHEMICALS.
J B Sinclair
Plant Dis R 45(B):625-627
15 Aug 1961 1.9 P69P
Agri-mycin-S00, Captan, Dyrene, Irish potato, Pentachloronitrobenzene, Phytotoxicity, Potassium glbbereliate, Seed treatment, Zineb, Ziram.

3242-67
SEED DISINFECTATION WITH PHENACRIDANE CHLORIDE, A BROAD-SPECTRUM BACTERICIDE-FUNGICIDE.
B C Smale M D Montgillion E H Toole
Plant Dis R 4S(12):933-937, PL.
15 Dec 1961 1.9 P69P
Acrizane chloride, Bactericides, Fungicides, Seed treatment.

3243-67
GROWTH-REGULATING PROPERTIES OF DEUTERATED 2,4-DICHLORO-PHENOXYACETIC ACID.
M S Smith
J Sci Food A 13(1):4B-S2
Jan 1962 3B2 S012
Deuterium, Isotopes, Plant physiology, Plant regulators, 2,4-d.

3244-67
GERMINATION OF GRAIN SORGHUM AND SUDAN GRASS SEEDS AFTER FUMIGATION WITH METHYL BROMIDE AND HYDROCYANIC ACID.
R G Strong D L Lindgren
J Econ Entom S6(2):144-149
Apr 1963 421 JB22
Fumigants, Hydrocyanic acid, Methyl bromide, Seed germination, Sorghum, Sorghum vulgare sudanense.

3245-67
PROLONGING THE MOTILITY AND VIRUS-TRANSMITTING ABILITY OF OLPIDIUM ZOOSPORES WITH CHEMICALS.
D S Teakle A H Gold
Phytopatholo 54(1):29-32
Jan I964 464.B P56
Necrosis (tobacco), Olpidiidium, Plant disease transmission, Plant physiology, Virus diseases (plants), Zoospores.

3246-67
RELATIONS OF VARIETY, TEMPERATURE, AND SEED IMMATURITY TO PRE-EMERGENCE DAMPING-OFF OF CASTORBEAN.
C A Thomas
Phytopatholo S0(6):473-474
Jun 1960 464.B P56
Castorbeans, Damping-off (castorbeans), Seed analysis, Seed germination, Temperature.

3247-67
EFFECT OF PHOTOPERIOD AND NITROGEN ON REACTION OF SESAME TO PSEUDOMONAS SESAMI AND XANTHOMONAS SESAMI.
C A Thomas

65 3248-67

Plant Dis R 49(2):119-120
15 Feb 1965 1.9 P69P
Nitrogen, Photoperiodism, Sesame.

3248-67
VERMICULITE MEDIA FOR GROWING FUNGI.
E H Varney
Plant Dis R 45(5):393
15 May 1961 1.9 P69P
Culture media, Fungi, Soil fungi, Vermiculite.

3249-67
OBSERVATIONS ON RESPONSE OF GREENHOUSE-GROWN COTTON TO EXCESSIVE DOSAGES OF PHOSPHATE INSECTICIDES.
J K Walker Jr J Hacskaylo E G Pires
J Econ Entom 57(5):782-783
Oct 1964 421 J822
Cotton, Greenhouse culture, Insecticides, Phosphates.

3250-67
REVERSAL OF FUNGITOXICITY OF 8-QUINOLINOL BY AMINO ACIDS AND OTHER CHELATORS.
G A Zentmyer S Rich J G Horsfall
Phytopathole 50(6):421-424, TA8S.
Jun 1960 464.8 P56
Amino acids, Chelatometry, Toxicology, 8- quinolinol.

3251-67
REDUCTION OF FROST INJURY IN CRANBERRIES BY FUNGICIDE TREATMENTS.
B M Zuckerman
Plant Dis R 45(4):253-254
15 Apr 1961 1.9 P69P
Cranberries, Frost, Fungicides, Plant injuries.

70 CHEMISTRY

3252-67
AN EVALUATION OF CERTAIN FUNGICIDES FOR VOLATILITY, TOXICITY AND SPECIFICITY USING A DOUBLE PETRI DISH DIFFUSION CHAMBER.
A J Lathan M B Linn
Plant Dis R 49(5):398-400
15 May 1965 1.9 P69P
Diffusion chamber, Fungicides.

80 ENGINEERING

3253-67
A T -HEAD INOCULATOR FOR LOCAL-LESION ASSAY OF VIRUSES.
D J deZeeuw L W Timmer
Phytopatholo 54(2):196-19B, TA8S.
Feb I964 464.8 P56
T -head inoculator, Assay, Black cowpeas, Ring spot (tobacco), Viruses.

3254-67
EVALUATION OF SOME FACTORS AFFECTING THE EFFICENCY OF LIGHT TRAPS IN COLLECTING MOSQUITOES.
A R Barr T A Smith M M 8oreham K E White
J Econ Entom 56(2):123-127
Apr 1963 421 JB22
Culicidae, Insect collecting equipment, Light traps.

3255-67
AN ATOMIZER FOR INOCULATING PLANTS WITH SPORE-OIL SUSPENSTON.
L E Browder
Plant Dis R 49(5):455
I5 May I965 I.9 P69P
Atomizer, Immunization.

3256-67
AN INEXPENSIVE ACTINOMETER FOR CONTINUOUS FIELD RECORDING OF MOONLIGHT, DAYLIGHT, OR LOW-INTENSITY EVENING LIGHT.
P S Callahan
J Econ Entom 57(5):759-760
Oct I964 42I J822
Actinometers, Light.

3257-67
AN INEXPENSIVE CA8INET FOR TEMPERATURE AND HUMIDITY CONTROL.
C I Carter
Bull Entomol R 56(2):263-26B
Dec I965 42I BB7
Control equipment, Controlled environment.

325B-67
A MODIFIED FLIGHT CHAM8ER.
H C Chiang
J Econ Entom 56(1):117-118
Feb I963 42I JB22
Insect flight chamber.

3259-67
A MECHANICAL METHOD OF RETAINING FLYING INSECTS ON A TEST SURFACE.
D P Childs J W Mooney T Gentry
J Econ Entom 57(6):839-840
Dec I964 42I J822
Insect cages.

3260-67
AN EMERGENCE CONTAINER FOR RECOVERING SOUTHERN PINE 8EETLES FROM INFESTED 80LTS.
E W Clark E A Osgood Jr
J Econ Entom 57(5):783-784
Oct I964 421 J822
8olts, Dendroctonus frontalis, Insect collecting equipment.

326I-67
FURTHER DEVELOPMENT OF AERIAL PHOTOGRAPHIC TECHNIQUES FOR POTATO LATE 8LIGHT DETECTION.
G R Cooper F E Manzer
Phytopatholo 54(2):127
Feb I964 464.8 P56
Aerial photography, Late blight (potatoes).

3262-67
A COMPILATION OF SOLUTIONS FOR MAINTAINING CONSTANT RELATIVE HUMIDITIES.
R D Durbin
Plant Dis R 49(1I):94B
Nov 1965 I.9 P69P
Humidity.

3263-67
A LABORATORY DEVICE FOR OBSERVING INSECTS AND MITES INVOLVED IN HEATING OF STORED GRAIN.
L E Eighme
J Econ Entom 57(6):998-999
Dec 1964 421 JB22
Laboratory equipment, Mites, Stored-product insects.

3264-67
TWO NEW NEMATODE SUBSAMPLING TOOLS.
R P Esser J B MacGowan H M Van Pelt
Plant Dis R 49(3):265-267
I5 Mar 1965 1.9 P69P
Equipment, Nematodes, Soil sampling.

3265-67
SPRAY DEPOSITS ON APPLE TREES FOLLOWING APPLICATIONS BY THREE TYPES OF SPRAYERS.
D E H Frear D Asquith
J Econ Entom 56(3):399-401
Jun 1963 421 JB22
Apples, Insecticide deposits, Spraying equipment.

3266-67
A DISPENSER DESIGNED TO PROVIDE LARGE QUANTITIES OF INSECTICIDE VAPOR.
H B Gillenwater P K Harein
J Econ Entom 57(5):762-764, TA8S.
Oct 1964 421 JB22
Insecticidal aerosols.

3267-67
AN IMPROVED TECHNIQUE FOR TESTING EFFECTS OF SOLUBLE POST-HARVEST FUNGICIDES ON SPORE GERMINATION.
G L Greene
Plant Dis R 45(5):390-391
I5 May 1961 1.9 P69P
Fungicides, Seed germination, Spores, Syringes.

326B-67
USE OF FOAM WASHERS FOR TREATING POSTSTORAGE LEMONS WITH SODIUM ORTHOPHENYLPHENATE.
P R Harding D C Savage
Plant Dis R 49(4):332-334
I5 Apr 1965 1.9 P69P
Equipment, Foam washers, Lemons, Sodium orthophenylphenate.

3269-67
A PORTABLE DEVICE FOR DISTRIBUTING PASTE BAITS OVER LARGE AREAS.
S B Hays
J Econ Entom 57(4):610-611
Aug I964 421 JB22
Attractants, Baits, Insect traps.

3270-67
A DEVICE FOR RAPIDLY AND UNIFORMLY INOCULATING PLANTS WITH AGRO8ACTERIUM RHIZOGENES AND OTHER BACTERIA THAT REQUIRE WOUNDS.
D Huisingh R D Durbin
Plant Dis R 49(I0):878-879
Oct I965 1.9 P69P
Agrobacterium rhizogenes, 8acteria, Inoculation device, Laboratory equipment.

3271-67
A WHOLE-MOUNT TECHNIQUE FOR STUDYING INFECTED LEAVES.
P K Isaac
Phytopatholo 50(6):474
Jun I960 464.8 P56
Engineering, Leaves, Whole-mount technique.

3272-67
THE AUTOMATIC RECORDING OF MOSQUITO ACTIVITY.
M D R Jones
J Insect Physi I0(2):343-351, 8IBL. 351
Apr 1964 421 JB25
Automation, Insect behavior.

3273-67
THE USE OF A PETROLEUM HYDRO-CARBON TORCH IN THE ASEPTIC TRANSFER OF MICROORGANISMS AND IN ROUTINE LABORATORY GLASS BLOWING.
R P Kahn J L Creech
Plant Dis R 44(4):296
I5 Apr I960 1.9 P69P
Aseptic transfer, Glass blowing, Hydrocarbons, Microorganisms, Petroleum, Torch.

3274-67
POLYETHYLENE 8AGS FOR THE STUDY OF SOIL MICROORGANISMS.
D D Kaufman L E Williams
Phytopatholo 52(1):16
Jan 1962 464.8 P56
Polyethylene, Soil microorganisms.

3275-67
USE OF A PORTA8LE INOCULATION TOWER IN LA8ORATORY, GREENHOUSE, AND FIELD TESTS OF FUNGICIDES TO CONTROL RICE 8LAST.
M M Kulik G N Asai
Plant Dis R 45(12):9D7-91D
1S Dec 1961 1.9 P69P
Blast (rice), Columns (process), Fungicides, Immunization.

3276-67
COMPARATIVE EFFICIENCIES OF THREE METHODS FOR EXTRACTING NEMATODES FROM ROOT AND SOIL SAMPLES.
S Malo
Plant Dis R 44(3):217
1S Mar 196D 1.9 P69P
Nematode extraction, Nematodes, Roots, Soils.

3277-67
COMPARISON OF GRAVIMETRIC AND CHROMIC OXIDE METHODS FOR MEASURING PERCENTAGE UTILIZATION AND CONSUMPTION OF FOOD 8Y PHYTOPHAGOUS INSECTS.
A J McGinnis R Kasting
J Insect Physi 1D(6):989-99S, 8I8L. 994-99S, TA8S.
Dec 1964 421 J82S
Chromic oxide method, Feeding, Gravimetric analysis, Insect nutrition, Insect pests.

3278-67
PAD METHOD OF RECOVERING FRUIT FLIES FROM INFESTED FRUIT.
M McPhail
J Econ Entom S7(6):1D12-1013
Dec 1964 421 J822
Insect collecting equipment, Pad method, Tephritidae.

3279-67
A GLASS AND CELLULOSE ACETATE INSECT CAGE.
D 8 Protacio
Plant Dis R 4S(1D):824-82S
15 Oct 1961 1.9 P69P
Cellulose acetates, Glass, Immunization, Insect cages.

328D-67
A SCISSORS DEVICE FOR COLLECTING LEAF SAMPLES FROM APPLE TREES.
L O Sanchez
J Econ Entom S6(2):235
Apr 1963 421 J822
Apples, Leaf sampling device.

3281-67
RECORDING CIRCADIAN RHYTHMS OF THE COCKROACH WITH A CAPACITY SENSING DEVICE.
M S Schechter S R Dutky W N Sullivan
J Econ Entom S6(1):76-79
Feb 1963 421 J822
8lattidae, Diurnal rhythm, Laboratory equipment.

3282-67
A PORTA8LE, INEXPENSIVE, AND CONTINUOUSLY SAMPLING SPORE TRAP.
N C Schenck
Phytopatholo S4(S):613-614
May 1964 464.8 PS6
Spore trap.

3283-67
A SIMPLE SU8STITUTE FOR A 8AERMANN FUNNEL.
A F Schindler
Plant Dis R 4S(9):747-748
15 Sep 1961 1.9 P69P
8aermann funnel, Plant nematodes, Soil fumigation, Soil sampling.

3284-67
A SPORE TRAP FOR STUDYING SPORE RELEASE FROM 8ASIDIOCARPS.
R A Schmidt F A Wood
Phytopatholo 54(2):129
Feb 1964 464.8 PS6
Spore traps, Spores.

328S-67
ASPIRATOR FOR RAPID SEXING AND TRANSFER OF EYE GNATS, HIPPELATES PUSIO.
P H Schwartz Jr
J Econ Entom 57(5):784-786
Oct 1964 421 J822
Aspirator, Laboratory equipment, Sex determination.

3286-67
A PORTA8LE ELECTRICALLY POWERED ASPIRATOR.
C H Shanks Jr G Gans
J Econ Entom 56(2):237-238
Apr 1963 421 J822
Aspirators.

3287-67
USE OF DISPOSA8LE PLASTIC GROWTH POUCHES IN PHYTOPATHOLOGICAL RESEARCH.
L L Sherrod A M Elliot
Plant Dis R 49(1D):8S2-8S3
Oct 196S 1.9 P69P
Laboratory equipment, Phytopathology, Plastic growth pouches.

3288-67
MEASUREMENT OF PECTINOLYTIC AND CELLULOLYTIC ENZYME ACTIVITY 8Y ROTATING SPINDLE VISCOMETRY.
R T Sherwood A Keiman
Phytopatholo 54(1):110-113
Jan 1964 464.8 PS6
Viscometry.

3289-67
A PORTA8LE GAS SAMPLER SUITA8LE FOR MEASURING ATMOSPHERIC OXIDANT.
G Siiber
Plant Dis R 4S(4):31D-311
15 Apr 1961 1.9 P69P
Air pollution, Ozone, Sampling.

329D-67
A LIGHT SENSITIVE APPARATUS FOR THE RAPID MEASUREMENT OF EXPERIMENTAL FEEDING BY INSECTS.
C F Soo Hoo
8ull Entomol R S6(2):227-229
Dec 196S 421 887
Insect behavior, Insect nutrition, Measurement, Measuring equipment, Photometers.

3291-67
AN ELECTRICAL AID TO PURE CULTURE ISOLATION.
J M Staley H Lyon
Plant Dis R 4S(4):312-313
1S Apr 1961 1.9 P69P
Culture, Microforge, Micromanipulators.

3292-67
ELEVATED SCREENS FOR COLLECTING 8OLL WEEVILS FLYING 8ETWEEN HI8ERNATION SITES AND COTTONFIELDS.
H M Taft C E Jernigan
J Econ Entom 57(5):773-775
Oct 1964 421 J822
Anthonomus grandis, Cotton, Hibernation, Insect collecting equipment, Screens.

3293-67
AN ELECTRIC 8ARRIER FOR CONFINING COCKROACHES IN LARGE REARING OR FIELD COLLECTING CANS.
R F Wagner W Ebeling W R Clark
J Econ Entom S7(6):1DD7-1DD9
Dec 1964 421 J822
8lattidae, Insect collecting equipment, Insect rearing equipment, Laboratory equipment.

3294-67
THE SEPARATION OF NEMATODES FROM SOIL 8Y A MODIFIED 8AERMANN FUNNEL TECHNIQUE.
J T Walker J D Wilson
Plant Dis R 44(2):94
1S Feb 1960 1.9 P69P
8aermann funnel technique, Equipment, Nematodes, Soils.

329S-67
COLLECTION OF NEODIPRION EXCITANS SAWFLY COCOONS IN TREE 8ANDS.
R C Wilkinson
J Econ Entom S7(S):786
Oct 1964 421 J822
Insect collecting equipment, Pupal cases, Tree bands.

3296-67
ANOTHER SCREENED IMMERSION PLATE FOR ISOLATING FUNGI FROM SOIL.
F A Wood R D Wilcoxson

Plant Dis R 44(7):594-595
15 Jul 1960 1.9 P69P
Aluminum foil, Equipment, Fungi extraction,
Screened immersion plate, Soils.

ABIES LASIOCARPA
Scleroderris canker of subalpine fir in Colorado. 2850

ABORTION
Pine needle abortion in cattle. 3079

ABSORPTION
Absorption, excretion, and metabolism of P32-labeled metepa by screw-worm and stable flies. 2072

Absorption and metabolism of dimethoate in the bollworm and boll weevil. 3123

Absorption of gas bubbles in cuttings and injected stems. 3212

ABSTRACTS
Report and abstracts of the 1963 annual meeting of the Southern Division of The American Phytopathological Society. 2252

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ABUTILON WHITEFLY
Adaptation of the abutilon whitefly for laboratory use. 2121

ACARICIDES
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ACARID MITE
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Apt, W J
Western Washington Experiment Station, Puyallup 3006
Armstrong, G M
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Ashworth Jr, L
Texas Agricultural Experiment Station, College Station 22B3
Axtell, R C
North Carolina State College, Raleigh
Dept. Of Entomology 20S1
Aycock, R
Horticultural Crops Research Station, Castle Hayne 3008
Baiboni, E R
Hunter College Of The City University Of New York, N. Y.
Dept. Of Biological Sciences 20S2
Barnes, G L
Oklahoma Agricultural Experiment Station, Stillwater
Dept. Of Biology And Plant Pathology 2292
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Bolston, L H
Oklahoma State University, Stillwater 3108
Brett, C H
North Carolina Experiment Station, Raleigh
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Instytut Warzywnictwa, Skierniewice, Poland
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Oklahoma Agricultural Experiment Station, Stillwater 232S
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Atomic Energy Establishment, Trombay, Bombay, India
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The Chicago Medical School, Ill.
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University Of Wisconsin, Madison
Dept. Of Plant Pathology 2350
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University Of Wisconsin, Madison
Dept. Of Plant Pathology 3206
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Metropolitan University, Tokyo, Japan
Dept. Of Biology 2073
Committee Of North American Wheat Leaf Rust Research Workers
Oklahoma State University, Stillwater 2362
Cook, H C
Washington Agricultural Experiment Station
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U. S. Dept. Of Agriculture, Sumner, Wash.
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Delaware Agricultural Experiment Station, Newark 3019
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Research Fellow Of Conville And Caius College, Cambridge 2087
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University Of California, Riverside. 239S
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U. S. Forest Service, Asheville, N. C. 2001
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North Dakota State University, Fargo
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University Of Wisconsin, Madison
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Oregon State University, Corvallis
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British Museum (Natural History), London
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Georgia Coastal Plain Experiment Station, Tifton 3031
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Ministry Of Agriculture, Fisheries And Food, Harpenden, U.K.
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University Of Nebraska, Lincoln
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Virginia Polytechnic Inst., Blacksburg
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Hanec, W
University Of Wisconsin, Madison

Hanson, Jr., F E
Dept. Of Entomology 2112
Hanson, Jr., F E
Zoological Laboratories, University Of Pa., Philadelphia 2113
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U. S. Dept. Of Agriculture, State College, Miss.
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U. S. Dept. Of Agriculture, Riverside, Calif.
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Dept. Of Botany And Agronomy 2590
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University Of New Hampshire, Durham
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Klipatrick, R A
University Of New Hampshire, Durham
Depts. Of Botany And Agronomy 2592
Klipatrick, R A
University Of New Hampshire, Durham
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University Of California, Davis
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Montana State College
Dept. Of Entomology 2137
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U. S. Army Biological Warfare Lab., Fort Derrick, Md. 2611
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Louisiana State University, Baton Rouge
Dept. Of Entomology
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Florida Dept. Of Agriculture, Gainesville
Division Of Plant Industry 2619
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Gulf Oil Corp., Merriam, Kansas
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California Spray-chemical Co., Richmond, Calif. 2643
Malca, I
University Of California, Riverside
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Malo, S
University Of Florida, Gainesville
Dept. Of Fruit Crops 3276
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Colombo Plan, Saigon, Viet Nam 2154
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Florida Flower Association
Martin County Flower Growers Association 2657
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Miller, J W
Baldwin-wallace College, Berea, Ohio
Biology Dept. 2160
Minton, N A
Coastal Plain Experiment Station, Tifton, Ga. 3049
Mitchell, C J
Johns Hopkins University 2020
Mitchell, C J
Johns Hopkins University
School Of Hygiene And Public Health
Dept. Of Pathobiology 2161
Mori L.
Ajinomoto Co., Inc., Tsurumi-ku, Yokahama, Japan 2166
Morrison, R H
University Of Minnesota, St. Paul,
Dept. Of Plant Pathology And Physiology 2685
Mukaiyama, F
Tokyo Noko University, Koganei
Faculty Of Agriculture
Dept. Of Sericulture 2167
Murashige, T
Stanford Research Institute, Stanford, Calif. 2697
Nayar, J K
University Of Manitoba, Winnipeg
Dept. Of Entomology 2169
Neal Jr, J W
U. S. Public Health Service
National Institutes Of Health 2999
Neunzig, H H
North Carolina Agricultural Experiment Station, Raleigh
Entomology Dept. 2022
Nickell, L G
Chas. Pfizer And Co., Groton, Conn.
Boyce Thompson Institute For Plant Research, Yonkers, N. Y. 2713
Oatman, E R
University Of California, Riverside
Dept. Of Biological Control 2023
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U. S. Public Health Service 2172
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U. S. Public Health Service 2173
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Chelsea College Of Science And Technology
Biology Dept. 2176
Petersen, D H
South Carolina Agricultural Experiment Station, Clemson 2741
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General Foods Corporation
Birds Eye Division 2753
Powers Jr, H R
U. S. Dept. Of Agriculture, Asheville, N. C.
Forest Service
Southeastern Forest Experiment Station 2754
Prins, G
Canada Dept. Of Agriculture, Chatham, Ontario
Entomology Laboratory 3167
Purdy, L H
U. S. Dept. Of Agriculture
Agricultural Research Service
Crops Research Division 2759
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U. S. Dept. Of The Interior
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Rakshpal, R
Macdonald College Of McGill University, Montreal, Canada
Dept. Of Entomology And Plant Pathology 2182
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Green Giant Co., Dayton, Wash. 2769
Revelo, M A
Centro Nacional De Inv. Agric. Tibaitata, Bogota, Columbia 2186
Rivera, C T
Manila Hotel, Philippines 2775
Rochow, W F
Cornell University, Ithaca, N. Y.
Dept. Of Plant Pathology 2778
Rochow, W F
Cornell University, Ithaca 2779
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National Institutes Of Health 2188
Rogers, J D
Washington State University, Pullman 2782
Roth, J N
Goshen College, Goshen, Ind.
Dept. Of Biology 2788
Schafer, J F
U. S. Dept. Of Agriculture
Agricultural Research Service
Crops Research Division
Agricultural Experiment Station 2800
Schnathorst, W C
University Of California, Davis
Dept. Of Plant Pathology 2805
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Deutsche Forschungsanstalt Fur Psychiatrie, Munich
Max- Planck- Institut 2193
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U. S. Public Health Service
Division Of Environmental Engineering And Food Protection 2236
Selman, B J
British Museum (natural History)
Commonwealth Institute Of Entomology 2194
Shanks Jr, C H
South Western Washington Experiment Station, Vancouver 3286
Singh, S R
U. S. Dept. Of Agriculture
Agricultural Research Service
Entomology Research Division 2195
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Northern Utilization Research And Devel. Div., Peoria, Ill. 2829
Sprague, R
Washington State University, Pullman 2847
Spurr Jr, H W
Michigan State University, East Lansing
Dept. Of Botany And Plant Pathology 2848
Spurr Jr, H W
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Sreams, F A
U. S. Dept. Of Agriculture, Moorestown, N. J.
Agricultural Research Service
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Strobel, G A
Montana State College, Bozeman
Dept. Of Botany And Bacteriology 2856
Strobel, G A
Montana State College, Bozeman
Dept. Of Botany And Bacteriology 2857
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Agricultural Experiment Station, Riverside 3244
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U. S. Dept. Of Agriculture
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Toler, R W
University Of Georgia, Tifton
College Of Agriculture
Coastal Plain Experiment Station 2879
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Treshow, M
Utah State University, Logan
Dept. Of Botany And Plant Pathology 2885
Trione, E J
Oregon State College, Corvallis
Science Research Institute 2887
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Oregon State College, Corvallis
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Oil Palm Research Station, Banting, Malaya 2894
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Forest Pathology Laboratory, Maple, Ontario, Canada 2900
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Texas Agricultural Experiment Station, College Station 2218
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Canada Dept. Of Agriculture, Harrow, Ontario 2907
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University Of Wisconsin
Dept. Of Plant Pathology 2908
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Wallis, D I
Marischal College, Aberdeen, Scotland
Dept. Of Physiology 2220
Watanabe, T
Kyushu University, Fukuoka, Japan
Dept. Of Agricultural Chemistry 2221
Watson, J A L
Western Reserve University, Cleveland, Ohio
Developmental Biology Center 2224
Watson, J A L
Western Reserve University, Cleveland, Ohio
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A. And M. College Of Texas, College Station
Dept. Of Plant Sciences 3007
Agotecnica del Valle, Mexicali, B. C., Mexico 2716
Agricultural Experiment Station, Gainesville, Fla. 3047
Agricultural Experimenl Station, Rio Piedras, Puerto Rico
Dept. Of Plant Pathology And Botany 2739
Agricultural Research Council, Slough, England
Biochemistry Dept.
Pest Information Laboratory 21B4
Agricultural Research Institute, Nicosia, Cyprus. 273S
Agricultural Research Station, Beit Dagan-Rehovot, Israel
Division Of Plant Pathology 2717
Agricultural Research Station, Umudike-Umuahia, Nigeria
3074
Agricultural University, Wageningen, Netherlands
Entomological Laboratory 2056
Agricultural University, Wageningen, Netherlands
Laboratory For Entomology 2203
Agricultural University, Wageningen, The Netherlands
Laboratory For Entomology 2204
Alaska Agricultural Experiment Station, Palmer 2037
American Cocoa Research Institute, Washington, D. C. 2545
American Cyanimid Co., Princeton, N. J.
Agricultural Center 3096
Anti-locust Research Centre, London 2118
Auburn University
Agricultural Experiment Station
Chilton Area Horticultural Substation 2393
Auburn University
Agricultural Experiment Station
Dept. Of Zoology-entomology 2964
Auburn University Agricultural Experiment Station, Ala.
Dept. Of Zoology-entomology 3126
Auburn University, Ala. 3210
Auburn University, Ala.
Agricultural Experiment Station
Dept. Of Botany And Plant Pathology 2481
Auburn University, Ala.
Agricultural Experiment Station
Zoology-entomology Dept. 3109
Auburn University, Ala.
Botany And Plant Pathology Dept. 2394
Auburn University, Auburn, Ala.
Agricultural Experiment Station
Dept. Of Zoology-entomology 3121
Auburn University, Auburn, Ala.
Agricultural Experiment Station
Zoology-entomology Dept. 3269
Banaras Hindu University, India
College Of Agriculture 2B2B
Bartlett Tree Research Laboratory, N. Stamford, Conn.
2793
Biological Laboratories, Poona, India
Maharashtra Association For The Cultivation Of Science
Dept. Of Mycology And Plant Pathology 2S75
Bishop Museum, Honolulu, Hawaii 2020 2039 2161
2231
Bright Tobacco Disease Research Station, Chatham, Va.
2932
Brunel College, London, England
Dept. Of Biology 3272
C. D. A. Research Station, Winnepeg, Manitoba 2421
C. S. I. R. O., Canberra, Australia
Division Of Entomology 2164 2223
C.S.I.R.O., canberra, A.C.T., australia
Division Of Entomology 2055 217B
C.S.I.R.O., Canberra, Australia
Division Of Entomology 2109 3290
C.S.I.R.O., Canberra, Australia.
Division Of Entomology 2222
Cairo University
College Of Agriculture 2763
Cairo University, U. A. R.
Faculty Of Agriculture
Plant Protection Dept. 30SS 30S7
Cairo University, United Arab Republic
Faculty Of Agriculture
Plant Protection Department 30S6
Cairo University, United Arab Republic
Faculty Of Agriculture
Plant Protection Dept. 30S4
California Agricultural Experiment Station, Berkeley 2432
2433
California Dept. Of Agriculture, Sacramento
Bureau Of Plant Pathology 2906 3009
California State Dept. Of Public Health, Fresno
Bureau Of Vector Control 32S4
California State Polytechnic College, Pomona 26BS
Canada Agricultural Research Station, Lethbridge, Alberta
29B6
Canada Agricultural Research Station, Lethbridge, Alberta
Entomology And Chemistry Section 3.77
Canada Agriculture Research Station, Lethbridge, Alberta
2032 2132
Canada Agriculture Research Station, Lethbridge, Alberta
Plant Pathology Section 2021
Canada Agriculture Research Station, Lethbridge, Alberta
Plant Pathology Section
Cereal Breeding Section 2737
Canada Agriculture, Summerland, B. C.
Research Station 2633 2634 2658
Canada Agriculture, Summerland, British Columbia
Research Station 2632
Canada Department Of Agriculture, Ottawa, Canada
Entomology Research Institute 1999
Canada Dept. Of Agriculture 3097
Canada Dept. Of Agriculture
Plant Research Institute 2910
Canada Dept. Of Agriculture
Research Branch
Experimental Farm 2706
Canada Dept. Of Agriculture
Research Branch
Research Station 273B
Canada Dept. Of Agriculture Research Station
University Sub Post Office, Saskatchewan 2355
Canada Dept. Of Agriculture, Belleville, Ontario
Entomology Research Institute For Biological Control
223S
Canada Dept. Of Agriculture, Belleville, Ontario
Research Institute
Research Branch 2124
Canada Dept. Of Agriculture, Chatham, Ontario
Entomology Laboratory 2156 3003 3140
Canada Dept. Of Agriculture, Chatham, Ontario
Research Branch
Entomology Laboratory 2959
Canada Dept. Of Agriculture, Fredericton, New Brunswick
Research Branch
Research Station 2931
Canada Dept. Of Agriculture, Fredericton, New Brunswick
Research Station
Entomology And Plant Pathology 2170
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Central Experiment Station, Centeno, Trinidad, West Indies
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Central Florida Experiment Station, Sanford 2238 2381
Central Food Technological Research Inst., Mysore, India
Division Of Infestation Control And Pesticides 2107
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2646
Chemagro Corp., Kansas City, Mo.
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2700
Downing Street, Cambridge
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Duke University, Durham 2939
E. R. Squibb And Sons, New Brunswick, New Jersey
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East African Institute Of Malaria, Amani, Tanya, Tanzania
2006
East African Trypanosomiasis Res. Organ., Tororo, Uganda
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Egyptian Agricultural Organization, Cairo, U. A. R.
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Ein Shams University, Cairo, United Arab Republic
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Inst. de Microbiologia
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Inter-America Inst. Of Agric. Sci., Turrialba, Costa Rica
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Johns Hopkins University, Blatimore, Md.
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Kansas State University, Manhattan
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Kansas State University, Manhattan
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Crops Research Division 2362
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Dept. Of Forest Engineering 2631
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Lucknow University, Lucknow, India
Dept. Of Zoology 21B2
M. S. University Of Baroda, India
Dept. Of Zoology
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Maharashtra Assoc. For Cultivation Of Science, Poona, India
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Maharashtra Assoc. For Cultivation Of Science, Poona, India
Dept. Of Mycology And Plant Pathology
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Seccion de Fitopatologia 2781
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Moor Plantation, Ibadan, Nigeria
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Mountain Horticultural Crops Res. Station, Fletcher, N. C. 2B55
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National And Univ. Inst. Of Agricultura, Rehovot, Israel 2904
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Nematology Section 3017
National And University Inst. Of Agri., Rehovot, Israel 3106
National Capital Region, Washington, D. C.
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Division Of Plant Pathology 276B
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Scotts Bluff Nebraska 2974
Nencki Instituta Of Experimental Biology, Warsaw, Poland
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2811 3170
New York State Agricultural Experiment Station, Geneva
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Newcki Institute Of Experimental Biology, Warsaw, Poland
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North Carolina Agricultural Experiment Station, Raleigh
2030 2180 2987 2988 31S3
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Plant Pathology And Horticulture 2654
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Dept. Of Plant Pathology 2709
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North Dakota Agricultural Experiment Station, Fargo 2687
North Dakota State University, Fargo
Dept. Of Plant Pathology 224S
North Florida Experiment Station, Quincy 2995
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Northeastern Experiment Station, Upper Darby 3291
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Seoul National University, Suwon, Korea
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The International Rice Res. Inst., Los Banos, Phillppines 2556
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Dept. Of Botany And Plant Pathology 2407 2550
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Biochemistry Section 2174
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Tokyo Medical And Dental University
Dept. Of Physiology 2110
Tokyo University, Bunkyo-ku
Zoological Institute
Faculty Of Science 2073
Tree Fruit Experiment Station, Wenatchee, Wash. 2371 2847
Tropical Pesticides Research Institute, Arusha, Tanzania 3173
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Plant Pathology Laboratory 2949
Tufts University, Medford, Mass.
Dept. Of Biology 2188
U. S. Army Biological Lab., Fort Detrick, Frederick, Md.
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Southeastern Forest Experiment Station 1992
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Southern Forest Experiment Station, Stoneville, Miss. 288D
U. S. Dept. Of Agriculture
Idaho-North Dakota Agriculture Experiment Station
Agricultural Research Service
Crops Research Division 242D
U. S. Dept. Of Agriculture
New Jersey Agricultural Experiment Station
Agricultural Research Service
Crops Research Division 29D2
U. S. Dept. Of Agriculture, Albany, Ga.
Agricultural Research Service
Crops Research Division 23S9 236D 2361
U. S. Dept. Of Agriculture, Ames, Iowa
Agricultural Research Service
Crops Research Division 2623 2625 2911
U. S. Dept. Of Agriculture, Asheville, N. C.
Forest Service
Southeastern Forest Experiment Station 23D3 2319 26D7 27SS 27S6
U. S. Dept. Of Agriculture, Asheville, N. C.
Forest Service
Southeastern Forest Experiment Station
Division Of Forest Disease Research 2512
U. S. Dept. Of Agriculture, Asheville, N. C.
Forest Service
Southern Region
Forest Insect And Disease Control Branch 2367
U. S. Dept. Of Agriculture, Baton Rouge, La.
Agricultural Research Service
Crops Research Division 2616
U. S. Dept. Of Agriculture, Baton Rouge, La.
Agricultural Research Service
Crops Research Division 2617
U. S. Dept. Of Agriculture, Baton Rouge, La.
Agricultural Research Service
Entomology Research Division 2D98 2D99 21S2
U. S. Dept. Of Agriculture, Baton Rouge, La.
Agricultural Research Service
Plant Pest Control Division 2398
U. S. Dept. Of Agriculture, Baton Rouge, La.
Entomology Research Division
Agricultural Center
University Station 2D93
U. S. Dept. Of Agriculture, Beltsville Md.
Agricultural Research Service
Crops Research Division 3DS2
U. S. Dept. Of Agriculture, Beltsville, Md.
Agricultural Research Center
Insect Pathology Pioneering Research Laboratory 2114 211S
U. S. Dept. Of Agriculture, Beltsville, Md.
Agricultural Research Service
Crops Research Division 2323 2S17 2SS3 2S8D 2648 2649 269D 2917 2918 2922 3D3D 3D9D 3242 3246 3247 3283 3289
U. S. Dept. Of Agriculture, Beltsville, Md.
Agricultural Research Service
Crops Research Division
Cereal Crops Research Branch 2689
U. S. Dept. Of Agriculture, Beltsville, Md.
Agricultural Research Service
Crops Research Division
New Crops Research Branch 2624
U. S. Dept. Of Agriculture, Beltsville, Md.
Agricultural Research Service
Crops Research Divisions 2365
U. S. Dept. Of Agriculture, Beltsville, Md.
Agricultural Research Service
Entomology Research Division 2D12 2D24 2D63 212D 22D2 2212 2232 2977
U. S. Dept. Of Agriculture, Beltsville, Md.
Agricultural Research Service
Forest And Range Research Branch
Crops Research Division 26D6
U. S. Dept. Of Agriculture, Beltsville, Md.
Agricultural Research Service
Market Quality Research Division 3D91
U. S. Dept. Of Agriculture, Beltsville, Md.
Agricultural Research Service
Plant Industry Station
Crops Research Division 2681
U. S. Dept. Of Agriculture, Beltsville, Md.
Agricultural Research Service
Plant Quarantine Division 2S74
U. S. Dept. Of Agriculture, Beltsville, Md.
Agriculture Research Service
Crops Research Division 2579
U. S. Dept. Of Agriculture, Beltsville, Md.
Crops Research Division 2829
U. S. Dept. Of Agriculture, Beltsville, Md.
Crops Research Division
Plant Virology Laboratory 28D8
U. S. Dept. Of Agriculture, Berkeley, Calif.
Agricultural Research Service
Entomology Research Division 2436
U. S. Dept. Of Agriculture, Berkeley, Calif.
Forest Service
Pacific Southwest Forest And Range Experiment Station 29DS
U. S. Dept. Of Agriculture, Bozeman, Mont.
Agricultural Research Service
Entomology Research Division 2D76 2137
U. S. Dept. Of Agriculture, Brookings, S. Dak.
Agricultural Research Service
Entomology Research Division 2D9D
U. S. Dept. Of Agriculture, Brookings, South Dakota
Agricultural Research Service
Entomology Research Division 28S4
U. S. Dept. Of Agriculture, Brownsville, Tex
Agricultural Research Service
Entomology Research Division 21D2
U. S. Dept. Of Agriculture, Brownsville, Tex.
Agricultural Research Service
Entomology Research Division 2DS8 2997 2998 3177
U. S. Dept. Of Agriculture, Canal Point, Fla.
Agricultural Research Service
Crops Research Division 2876
U. S. Dept. Of Agriculture, Chicago, Ill.
Agricultural Marketing Service
Market Quality Research Division 2637
U. S. Dept. Of Agriculture, College Station, Tex.
Agricultural Research Service
Crops Research Division 2776
U. S. Dept. Of Agriculture, College Station, Tex.
Agricultural Research Service
Entomology Research Division 2147 2216
U. S. Dept. Of Agriculture, College Station, Tex.
Agricultural Research Service
Entomology Research Division
Crops Research Division 3128
U. S. Dept. Of Agriculture, Corvallis, Ore.
Agricultural Research Service
Crops Research Division 2671 2672
U. S. Dept. Of Agriculture, Corvallis, Ore.
Agricultural Research Service
Entomology Research Division 2D88 2177 2189
U. S. Dept. Of Agriculture, Corvallis, Oregon
Agricultural Research Service
Crops Research Division 267D
U. S. Dept. Of Agriculture, Delaware, Ohio
Forest Service
Central States Forest Experiment Station
Forest Disease Laboratory 2S7D 2S71
U. S. Dept. Of Agriculture, Delaware, Ohio
Forest Service
Central States Forest Experiment Station
Forest Insect And Disease Laboratory 2396
U. S. Dept. Of Agriculture, Durham, N. C.
Forest Service
Southeastern Forest Experiment Station
Forestry Sciences Laboratory 3260
U. S. Dept. Of Agriculture, Florence
Agricultural Research Service
Entomology Research Division 3292
U. S. Dept. Of Agriculture, Florence, S C
Agricultural Research Service
Entomology Research Division 22D8
U. S. Dept. Of Agriculture, Florence, S. C.
Agricultural Research Service
Entomology Research Division 2163 2971 31S4
U. S. Dept. Of Agriculture, Forest Grove, Ore.
Agricultural Research Service
Entomology Research Division 2D28
U. S. Dept. Of Agriculture, Fort Collins, Col.
Forest Service
Rocky Mountain Forest And Range Experiment Station 2626
U. S. Dept. Of Agriculture, Fort Collins, Colo.
Forest Service
Rocky Mountain Forest And Range Experiment Station 2S21 2S22 2743
U. S. Dept. Of Agriculture, Fresno, Calif.

Agricultural Research Service
Market Quality Research Division
Stored-product Insects Branch 3092
U. S. Dept. Of Agriculture, Gainesville, Fla.
Agricultural Research Service
Entomology Research Division 2083 2084 2105 216S 2192
U. S. Dept. Of Agriculture, Gulfport, Miss.
Agricultural Research Service
Plant Pest Control Division 21S0 3149
U. S. Dept. Of Agriculture, Gulfport, Miss.
Forest Service
Southern Forest Experiment Station 3122
U. S. Dept. Of Agriculture, Hoboken, N. J.
Agricultural Research Service
Plant Quarantine Division 2413
U. S. Dept. Of Agriculture, Honolulu, Hawaii
Agricultural Research Division
Entomology Research Division 2963
U. S. Dept. Of Agriculture, Houma, La.
Agricultural Research Service
Crops Research And Entomology Research Divisions 29S3
U. S. Dept. Of Agriculture, Houma, La.
Agricultural Research Service
Entomology Research Division 3141
U. S. Dept. Of Agriculture, Kerrville, Tex.
Agricultural Research Service
Animal Disease And Parasite Research Division 3116 3161
U. S. Dept. Of Agriculture, Kerrville, Tex.
Agricultural Research Service
Entomology Research Division 2072 3132
U. S. Dept. Of Agriculture, La Jolla, Calif.
Agricultural Research Service
Crops Research Division 2316
U. S. Dept. Of Agriculture, Laconia, N. H.
Forest Service
Northeastern Forest Experiment Station 2822
U. S. Dept. Of Agriculture, LaJolla, Calif.
Agricultural Research Service
Crops Research Division 2317
U. S. Dept. Of Agriculture, Lincoln, Neb.
Agricultural Research Service
Entomology Research Division 3082
U. S. Dept. Of Agriculture, Lincoln, Neb.
Agricultural Research Service
Entomology Research Division And Crops Research Division 2018
U. S. Dept. Of Agriculture, Logan, Utah
Agricultural Research Service
Animal Disease And Parasite Research Division 3127
U. S. Dept. Of Agriculture, Logan, Utah
Agricultural Research Service
Crops Research Division 2807
U. S. Dept. Of Agriculture, Logan, Utah
Utah Agricultural Experiment Station
Agricultural Research Service
Crops Research Division 2952
U. S. Dept. Of Agriculture, Madison, Wis
Market Quality Research Div., Agricultural Marketing Service
Stored-product Insects Laboratory
Dairy-product Insects Laboratory 21SS
U. S. Dept. Of Agriculture, Manhattan, Kan.
Agricultural Research Service
Crops Research Division 2564
U. S. Dept. Of Agriculture, Manhattan, Kans.
Agricultural Research Service
Crops Research Division 32SS
U. S. Dept. Of Agriculture, Mayaguez, Puerto Rica
Agricultural Research Service
Crops Research Division
Federal Experiment Station 2792
U. S. Dept. Of Agriculture, Mayaguez, Puerto Rico
Agricultural Research Service
Crops Research Division
Federal Experiment Station 2334
U. S. Dept. Of Agriculture, Mayaguez, Puerto Rico
Crops Research Division
Federal Experiment Station 2662
U. S. Dept. Of Agriculture, Mesa, Ariz.
Agricultural Research Service
Entomology Research Division 20S4 2969
U. S. Dept. Of Agriculture, Mexico City, Mexico
Agricultural Research Service
Entomology Research Division 2960 3278
U. S. Dept. Of Agriculture, Miami, Fla.
Agricultural Research Service
Plant Quarantine Division 26S3 2790
U. S. Dept. Of Agriculture, Mission, Tex.
Agricultural Research Service
Entomology Research Division 2080
U. S. Dept. Of Agriculture, Mission, Texas
Agricultural Research Service
Entomology Research Division 2079
U. S. Dept. Of Agriculture, Moorestown, N. J.
Agriculture Research Service
Entomology Research Division 1998
U. S. Dept. Of Agriculture, New Brunswick, N. J.
Agricultural Research Service
Crops Research Division 276S
U. S. Dept. Of Agriculture, New Orleans, La.
Forest Service
Southern Forest Experiment Station 203S
U. S. Dept. Of Agriculture, New York, N. Y.
Agricultural Marketing Service
Biological Sciences Branch
Marketing Pathology Laboratory 3085
U. S. Dept. Of Agriculture, Orlando, Fla.
Agricultural Research Service
Crops Research Division 2467 3027
U. S. Dept. Of Agriculture, Paris, France
Agricultural Research Service
Entomology Research Division 1993
U. S. Dept. Of Agriculture, Pomona, Calif.
Agricultural Research Service
Market Quality Research Division 3088
U. S. Dept. Of Agriculture, Prosser, Wash.
Agricultural Research Service
Crops Research Division 249S
U. S. Dept. Of Agriculture, Pullman
Agricultural Research Service
Crops Research Division 27S8
U. S. Dept. Of Agriculture, Pullman, Wash.
Agricultural Research Service
Crops Research Division 2S31 2582 2584
U. S. Dept. Of Agriculture, Pullman, Wash.
Agricultural Research Service
Crops Research Service 2264
U. S. Dept. Of Agriculture, Richmond, Va.
Agricultural Research Service
Market Quality Research Division 32S9
U. S. Dept. Of Agriculture, Riverside, Calif.
Agricultural Research Service
Crops Research Division 2748 2749
U. S. Dept. Of Agriculture, Riverside, Calif.
Agricultural Research Service
Entomology Research Division 2078 2119
U. S. Dept. Of Agriculture, Salinas, Calif.
Agricultural Research Service
Crops Research Division 2300 2400 2613
U. S. Dept. Of Agriculture, San Francisco, Calif.
Forest Service
California Region 2666
U. S. Dept. Of Agriculture, San Juan, Puerto Rico
Plant Quarantine Division 2791
U. S. Dept. Of Agriculture, St. Paul, Minn.
Agricultural Research Service
Crops Research Division 2667
U. S. Dept. Of Agriculture, St. Paul, Minn.
Forest Service
Lake States Forest Experiment Station 199S 2230 2268 2269
U. S. Dept. Of Agriculture, St. Paul, Minn.
Forest Service
Lake States Forest Experiment Station
Division Of Forest Disease Research 2270
U. S. Dept. Of Agriculture, State College, Miss.
Agricultural Research Service 213S
U. S. Dept. Of Agriculture, State College, Miss.
Agricultural Research Service
Crops Research Division
Boll Weevil Research Laboratory 2978
U. S. Dept. Of Agriculture, State College, Miss.
Agricultural Research Service
Entomology Research Division 2134 2162 3179
U. S. Dept. Of Agriculture, Stoneville, Miss.
Agricultural Research Service
Crops Research Division 2376 2789
U. S. Dept. Of Agriculture, Stoneville, Miss.
Agricultural Research Service
Entomology Research Division 2026
U. S. Dept. Of Agriculture, Stoneville, Miss.
Forest Service
Southern Forest Experiment Station 2418
U. S. Dept. Of Agriculture, Stoneville, Miss.
Forest Service
Southern Forest Experiment Station
Southern Hardwoods Laboratory 2419
U. S. Dept. Of Agriculture, Stoneville, Miss.
Mississippi Agricultural Experiment Station

Agricultural Research Service
Crops Research Division 2SS9
U. S. Dept. Of Agriculture, Tifton, Ga.
Agricultural Research Service 3032
U. S. Dept. Of Agriculture, Tifton, Ga.
Agricultural Research Service
Crops Research Division 2443 2686 2921
U. S. Dept. Of Agriculture, Tifton, Ga.
Agricultural Research Service
Entomology Research Division 32S6
U. S. Dept. Of Agriculture, Vincennes, Ind.
Agricultural Research Service
Entomology Research Division 2185
U. S. Dept. Of Agriculture, Vincennes, Indiana
Agricultural Research Service
Entomology Research Division 207S
U. S. Dept. Of Agriculture, Wenatchee, Wash.
Agricultural Marketing Service
Market Quality Research Division 3089
U. S. Dept. Of Agriculture, Wenatchee, Wash.
Agricultural Research Service
Entomology Research Division 3139
U. S. Dept. Of Agriculture, West Haven, Conn.
Forest Service
Northeastern Forest Experiment Station 2104
U. S. Dept. Of H.E.W., bethesda, Md.
Public Health Service
National Institutes Of Health
National Institute Of Arthritis And Metabolic Diseases
2145
U. S. Dept. Of Healt, Education, And Welfare, Athens, Ga.
Public Health Service
Division Of Water Supply And Pollution Control
Southeast Water Laboratory 3100
U. S. Dept. Of Health, Education And Welfare, Savannah, Ga.
Public Health Service
Technical Development Laboratories
Technology Branch, Communicable Disease Center 2100
U. S. Dept. Of Health, Education, And Welfare, Savannah, Ga.
Public Health Service
Technical Developement Laboratories
Technology Branch, Communicable Disease Center 3147
U. S. Forest Service
Division Of Timber Management Region Two 28S3
U. S. Forest Service, Asheville, N. C.
Southern Region
Forest Insect And Disease Control Branch 1997
U. S. Forest Service, Durham And Asheville N. C. 2239
U. S. Forest Service, Durham, N. C. 2S26
U. S. Plant Introduction Station, Glen Dale, Md.
Technical Advisory Services
Plant Quarantine Division 3273
U. S. Regional Pasture Research Lab., University Park, Pa.
2466
U. S. Steel Corp., Provo, Utah
Columbia-geneva Steel Division
Geneva Works
Agricultural Division 288S
U.s. Dept. Of Agriculture, Beltsville, Md.
Agricultural Research Service
Crops Research Division 2410
U.s. Dept. Of Agriculture, Logan, Utah
Agricultural Research Service
Animal Disease And Parasite Research Division 3123
U.s. Dept. Of Agriculture, Portland, Ore.
Forest Service
Pacific Northwest Forest And Range Experiment Station
2704
U.s. Dept. Of Agriculture, Tifton, Ga.
Agricultural Research Service
Crops Research Division 2424
U.s. Dept. Of Agriculture, Twin Falls, Idaho
Agricultural Research Service
Crops Research Division 2938
United Fruit Co., Golfito, Costa Rica
Coto Research Station 3103
United Fruit Co., La Lima, Honduras
Division Of Tropical Research
Vining C. Dunlap Laboratories 3267
United Fruit Company, Honduras
Tela Railroad Company
Vining C. Dunlap Laboratories
Plant Pathology Dept. 2S96
Universidad Nacional De Cuyo
Instituto De Sanidad Vegetal
Facultad De Ciencias Agrarias 2S98
Universidado De Sao Paulo, Piracicaba, Brazil
Escola Superior De Agricultura luiz De Queiroz 31S0
University College Of North Wales, Bangor, Wales
Dept. Of Agricultural And Forest Zoology 2136
University College Of Rhodesia And Nyasaland
Zoology Dept. 2095
University College Of Rhodesia And Nyasaland, Salisbury
Dept. Of Zoology 2181
University College, Cardiff, Wales
Zoology Dept. 2097 2176
University Of Adelaide, Australia
Waite Agricultural Research Institute 2159
University Of Adelaide, South Australia
Waite Agricultural Research Institute 2900
University Of Alexandria, Egypt
Faculty Of Agriculture
Dept. Of Plant Protection
Laboratory Of Insect Toxicology 3134 3175
University Of Alexandria, Egypt, UAR
Faculty Of Agriculture
Dept. Of Plant Protection
Laboratory Of Insect Toxicology 3133
University Of Arizona, Tucson
Dept. Of Plant Pathology 2707
University Of Arkansas
Dept. Of Plant Pathology 2460
University Of Arkansas, Fayetteville 3046 3108
University Of Arkansas, Fayetteville
Dept. Of Plant Pathology 2379 2868 2912
2933 2934
University Of Bristol
Dept. Of Zoology 2047 2122
University Of Bristol, England
Dept. Of Aeronautical Engineering 2004
University Of Bristol, England
Dept. Of Zoology 2142 2194
University Of British Columbia, Vancouver 2304
University Of Calif. Citrus Experiment Station, Riverside
3044
University Of California Citrus Experiment Stat., Riverside
3070
University Of California, Berkeley 2016 2103 24S3
2982 3004 31S2 324S
University Of California, Berkeley
Dept. Of Plant Pathology 2276 2277 2S1S
2760 2761 2766 2812 2831 2832 2833
2834 283S 2836 2944 2945 3120 3222
University Of California, Berkeley
Depts. Of Entomology And Parasitology And Plant Pathology
2431
University Of California, Berkeley
Division Of Biological Control 2101
University Of California, Berkeley
School Of Public Health 2210
University Of California, Davis 2497 2814 2819
2956 3148
University Of California, Davis
Dept. Of Agronomy 2721 2887 2888
University Of California, Davis
Dept. Of Landscape Horticulture 2641
University Of California, Davis
Dept. Of Nematology 3043
University Of California, Davis
Dept. Of Plant Pathology 2490 2577 2711
2724 272S 2806 2820 2821 2856 2857
293S
University Of California, Los Angeles 2193
University Of California, Los Angeles
Dept. Of Entomology 316S 3293
University Of California, Los Angeles
Dept. Of Plant Pathology 2290
University Of California, Riverside 3119
University Of California, Riverside
Citrus Experiment Station 3072 3250
University Of California, Riverside
Citrus Experiment Station
Dept. Of Plant Nematology 2870 3010
University Of California, Riverside
Citrus Experiment Station
Dept. Of Plant Pathology 2411
University Of California, Riverside
Citrus Research Center 3244
University Of California, Riverside
Citrus Research Center
Agricultural Experiment Station 2614 3093 31S6
University Of California, Riverside
Citrus Research Center And Agricultural Experiment Station
2021 314S 31SS
University Of California, Riverside
Citrus Research Center And Agricultural Experiment Station
Dept. Of Biological Control 2003 2040
University Of California, Riverside
Dept. Of Entomology 21S8 31S7
University Of California, Riverside

Dept. Of Horticultural Science 2595
Universlty Of Callfornia, Riverside
Dept. Of Nematology 3066 3071 3075
University Of Callfornia, Riverside
Dept. Of Plant Pathology 2601 2675 2890
2891 2916
University Of Callfornia, Riverside
Dept. Of Plant Pathology And Horticultural Science 2772
Universlty Of Cambridge
Dept. Of Zoology 2086 2228 2229
Universlty Of Cambridge
School Of Agriculture 2096
Universlty Of Cambridge, England
Dept. Of Zoology 2224 2225
Universlty Of Chile, Santiago, Chile
School Of Medicine 2043
Universlty Of Claifornia, Berkeley 2206
Universlty Of Connecticut, Storrs
Plant Science Dept. 2677
Universlty Of Delaware
Dept. Of Plant Pathology 3019
Universlty Of Delaware, Newark
Dept. Of Plant Pathology 2375 2883
Universlty Of Delaware, Newark, Delaware
Dept. Of Entomology 2069
Universlty Of Edinburgh, Scotland
Dept. Of Zoology 2191
Universlty Of Florida, Belle Glade
Everglades Experiment Station. 2869
Universlty Of Florida, Gainesville
Agricultural Experiment Station
Dept. Of Entomology 3020
Universlty Of Florida, Gainesville
Plant Pathology Dept. 2619
Universlty Of Florida, Lake Alfred
Citrus Experiment Station 3018
Universlty Of Florida, Lake Alfred
Florida Citrus Experiment Station 3069 3276
University Of Florida, Sanford
Central Florida Experiment Station
Dept. Of Entomology 3102
Universlty Of Georgia
Coastal Plain Experiment Station 2920
Universlty Of Georgia
Dept. Of Plant Pathology And Plant Genetics 2752
University Of Georgia, Athens 2730 3058
Universlty Of Georgia, Athens
Dept. Of Plant Pathology And Plant Breeding 2603
Universlty Of Georgia, Athens
Dept. Of Plant Pathology And Plant Genetics 2450
2731 2867
Universlty Of Georgia, Athens
U. S. Dept. Of Agriculture
Forest Service
Southeastern Forest Experiment Station 2339
Universlty Of Georgia, Tifton 2547
Universlty Of Georgia, Tifton
Coastal Plain Experiment Station 2548
Universlty Of Georgia, Tifton
College Of Agriculture
Georgia Coastal Plain Experiment Station 2401
Universlty Of Glasgow
Dept. Of Zoology 2215
Universlty Of Hawaii 2875
Universlty Of Hawaii
College Of Tropical Agriculture 3172
Universlty Of Hawaii
Dept. Of Plant Pathology 2523
Universlty Of Hawaii, Honolulu
Agricultural Experiment Station 2272
Universlty Of Hawaii, Honolulu
Agricultural Experiment Station
Depts. Of Horticulture And Plant Pathology 2697
Universlty Of Hawaii, Honolulu
Dept. Of Plant Pathology 2273 2274
Universlty Of Hawaii, Honolulu
Hawaii Agricultural Experiment Station 2723
Universlty Of Idaho, Aberdeen
Branch Experiment Station 2484
Universlty Of Idaho, Moscow
Agricultural Experiment Station 2507 2508 2509
Universlty Of Idaho, Moscow
Dept. Of Plant Pathology 2915
Universlty Of Idaho, Moscow
Plant Science Dept. 2483
Universlty Of Idaho, Parma
Parma Branch Experiment Station 2783
Universlty Of Illinois
Dept. Of Plant Pathology 2330
Universlty Of Illinois, Urbana 2519 2823 2871
2923
Universlty Of Illinois, Urbana
Dept. Of Entomology 2071 2094 2109
Universlty Of Illinois, Urbana
Dept. Of Horticulture And Plant Pathology 2369
Universlty Of Illinois, Urbana
Dept. Of Plant Pathology 2505 2532 2533
3252
Universlty Of Jerusalem, Israel
Dept. Of Biological Chemistry 2146
Universlty Of Kentucky, Lexington 3016
Universlty Of Leicester
Dept. Of Zoology 2108
Universlty Of London, England
Queen Mary College
Dept. Of Zoology 2068 2125
University Of Lucknow, Lucknow, India 2201
Universlty Of Maine, Orono 3261
Universlty Of Malaya, Kuala Lumpur
Botany Dept. 2476
University Of Manchester, England
Dept. Of Botany And Zoology
Genetics Laboratory 2089
Universlty Of Manitoba, Winnepeg, Canada
Dept. Of Botany 3271
Universlty Of Manitoba, Winnipeg
Dept. Of Entomology 2031 2112
University Of Maryland, College Park 3115
Universlty Of Maryland, College Park
Botany Dept. 3050
Universlty Of Maryland, College Park
Dept. Of Botany 2928
Universlty Of Massachusetts
Waltham Field Station
Massachusetts Agricultural Experiment Station 2480
Universlty Of Massachusetts, Amherst 2368
Universlty Of Massachusetts, Amherst
Dept. Of Entomology 2052
Universlty Of Massachusetts, Amherst, Mass.
Shade Tree Laboratories 2529
Universlty Of Massachusetts, East Wareham
Cranberry Experiment Station 3077 3251
Universlty Of Minnesota
Dept. Of Plant Pathology And Botany 2578 3296
Universlty Of Minnesota, Minneapolis
Dept. Of Microbiology 2612
Universlty Of Minnesota, St Paul
Dept. Of Entomology, Fisheries And Wildlife 3258
Universlty Of Minnesota, St. Paul
Dept. Of Entomology, Fisheries, And Wildlife 2019
Universlty Of Minnesota, St. Paul
Dept. Of Plant Pathology 2769
Universlty Of Minnesota, St. Paul
Dept. Of Plant Pathology And Botany 2291 2663
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Universlty Of Minnesota, St. Paul
Dept. Of Plant Pathology And Physiology 2327 2328
2585 3087
Universlty Of Minnesota, St. Paul
Institute Of Agriculture
Dept. Of Plant Pathology And Botany 2296 2416
Universlty Of Missouri
Dept. Of Horticulture 2566
Universlty Of Missouri.
Veterinary Physiology Dept. 3146
Universlty Of Missouri, Columbia 2322
Universlty Of Missouri, Columbia
Dept. Of Entomology 1936
Universlty Of Missouri, Columbia
Dept. Of Field Crops 2335
Universlty Of Missouri, Columbia
Dept. Of Horticulture 2565 2673
Universlty Of Missouri, Columbia
Depts. Of Entomology And Horticulture 2989
Universlty Of Missouri, St. Paul, Minn.
School Of Forestry 2397
Universlty Of Nebraska, Lincoln 2943
Universlty Of Nebraska, Lincoln
Dept. Of Plant Pathology 3236
Universlty Of Nebraska, Lincoln
North Platte Experiment Station 2179
Universlty Of New Brunswick, Frederickton, Canada
Dept. Of Biology 2726
Universlty Of New Hampshire, Durham 2537
Universlty Of Newcaste Upon Tyne, England
Dept. Of Zoology 2067
Universlty Of Newcastle Upon Tyne, England
Department Of Zoology 2066
Universlty Of Nottingham 2074
Universlty Of Oxford, England

Dept. Of Pharmacology 2175
University Of Pennsylvania, Philadelphia
Zoological Laboratories 2140
University Of Pennsylvania, Philadelphia
Zoological Laboratory 2220
University Of Pittsburgh, Pa.
Dept. Of Biological Sciences 2183
University Of Rhode Island
Dept. Of Botany 2340
University Of Rhode Island
Dept. Of Plant Pathology-Entomology 3067
University Of Rhode Island, Kingston
Dept. Of Botany 3234
University Of Rhode Island, Kingston
Rhode Island Agricultural Experiment Station
Dept. Of Plant Pathology-Entomology 2691
University Of Stellenbosch, South Africa
Dept. Of Microbiology 2257
University Of The Philippines, Los Banos, Laguna
College Of Agriculture
Dept. Of Plant Pathology 2041
University Of The Philiipines, Laguna
College Of Agriculture And Central Experiment Station
Dept. Of Plant Pathology 2771
University Of Turku, Finland
Dept. Of Zoology 2138
University Of Western Ontario, London, Canada
Dept. Of Zoology 2157
University Of Wisconsin 2000
University Of Wisconsin
Dept. Of Entomology 2023
University Of Wisconsin
Dept. Of Plant Pathology 2727 2848
University Of Wisconsin, Madison 2459 2929
University Of Wisconsin, Madison
Dept. Of Entomology 2001 2046
University Of Wisconsin, Madison
Dept. Of Entomology
Systemic Insecticides 3180
University Of Wisconsin, Madison
Dept. Of Plant Pathology 2354 2487 2782
2849 2909 3270
University Of Wisconsin, Madison
Plant Pathology Dept. 3011
University Of Wisconsin, Madison 5
Dept. Of Entomology 2221
University Of Wyoming, Laramie 2990 3166
University Of Wyoming, Laramie
Division Of Veterinary Science 3079
Virginia Agricultural Experiment Station 2931
Virginia Agricultural Experiment Station, Blacksburg
Dept. Of Plant Pathology And Physiology 2927
Virginia Agricultural Experiment Station, Charlottesville
Piedmont Fruit Research Laboratory 2062
Virginia Agricultural Experiment Station, Chatham
Tobacco Disease Research Station 2889
Virginia Agricultural Experimental Station, Holland
Tidewater Research Station 3125
Virginia Polytechnic Institute, Blacksburg
Dept. Of Entomology 3178
Virginia Polytechnic Institute, Blacksburg
Dept. Of Plant Pathology And Physiology 2777
Warren s Turf Nursery, Palos Park, Ill.
Research Dept. 2448 2449 3029
Washington Agricultural Experiment Station, Pullman
Regional Cereal Disease Research Laboratory 2759
Washington Agricultural Experiment Stations, Pullman 3221
Washington Agriculture Experiment Stations, Pullman 3286
Washington State Dept. Of Agriculture, Prosser
Irrigated Agriculture Research And Extension Center
2309
Washington State Dept. Of Agriculture, Prosser
Irrigation Experiment Station 2310 2311 2312
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Washington State University
Dept. Of Entomology 2957
Washington State University, Prosser
Irrigation Experiment Station 2438
Washington State University, Prosser
Irrigation Experiment Station
Washington Agricultural Experiment Station
Dept. Of Plant Pathology 3025
Washington State University, Prosser
Washington Agricultural Experiment Stations
Dept. Of Plant Pathology 2437
Washington State University, Pullman
Dept. Of Plant Pathology 2380
Washington State University, Puyallup
Western Washington Experiment Station 2461 2462
2463 2464
Washington State University, Wenatchee
Tree Fruit Experiment Station 2845 2846 3144
Washington University, St. Louis, Mo. 2061
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